

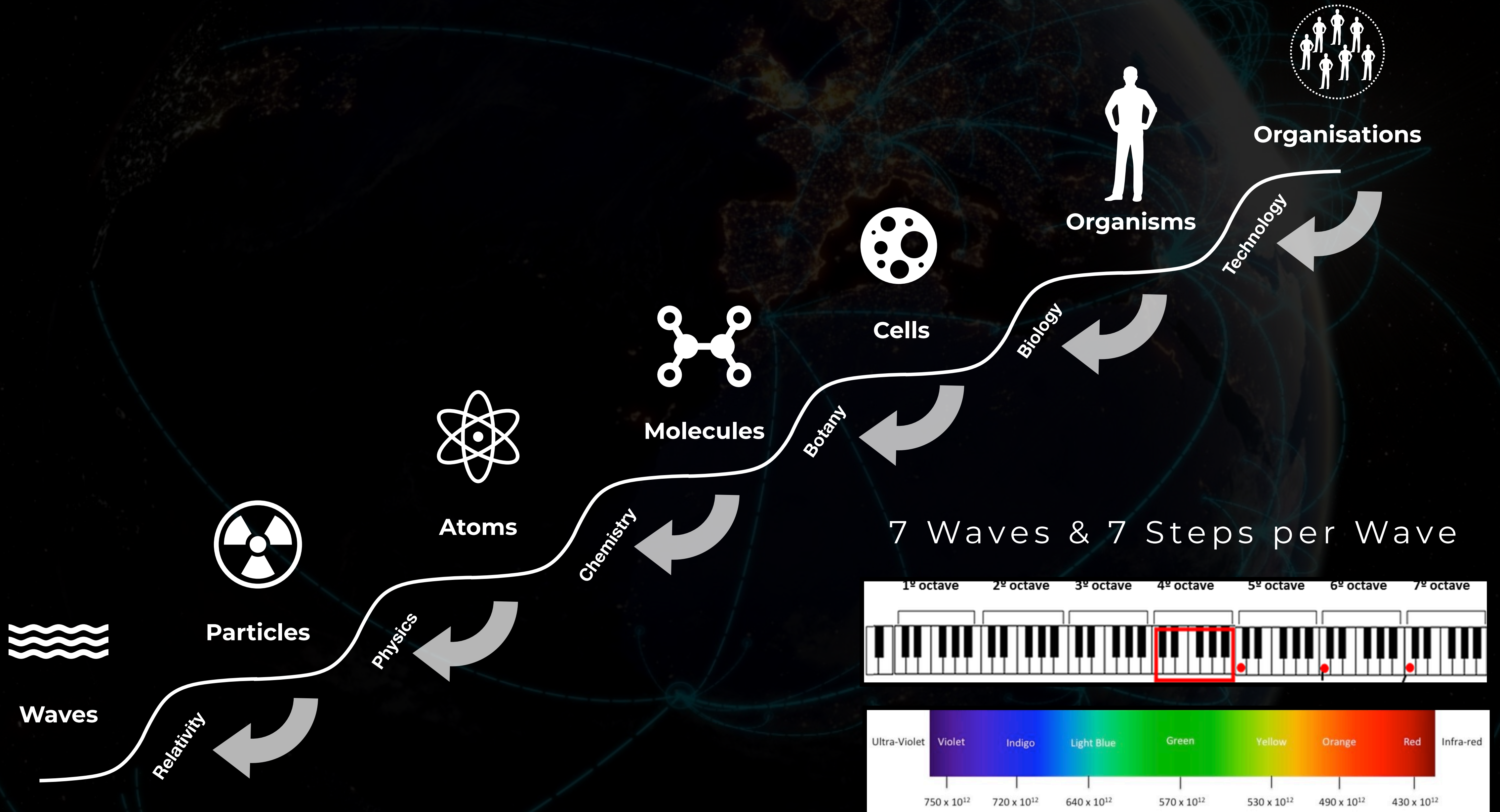


# **Future-Proof Your Mindset**

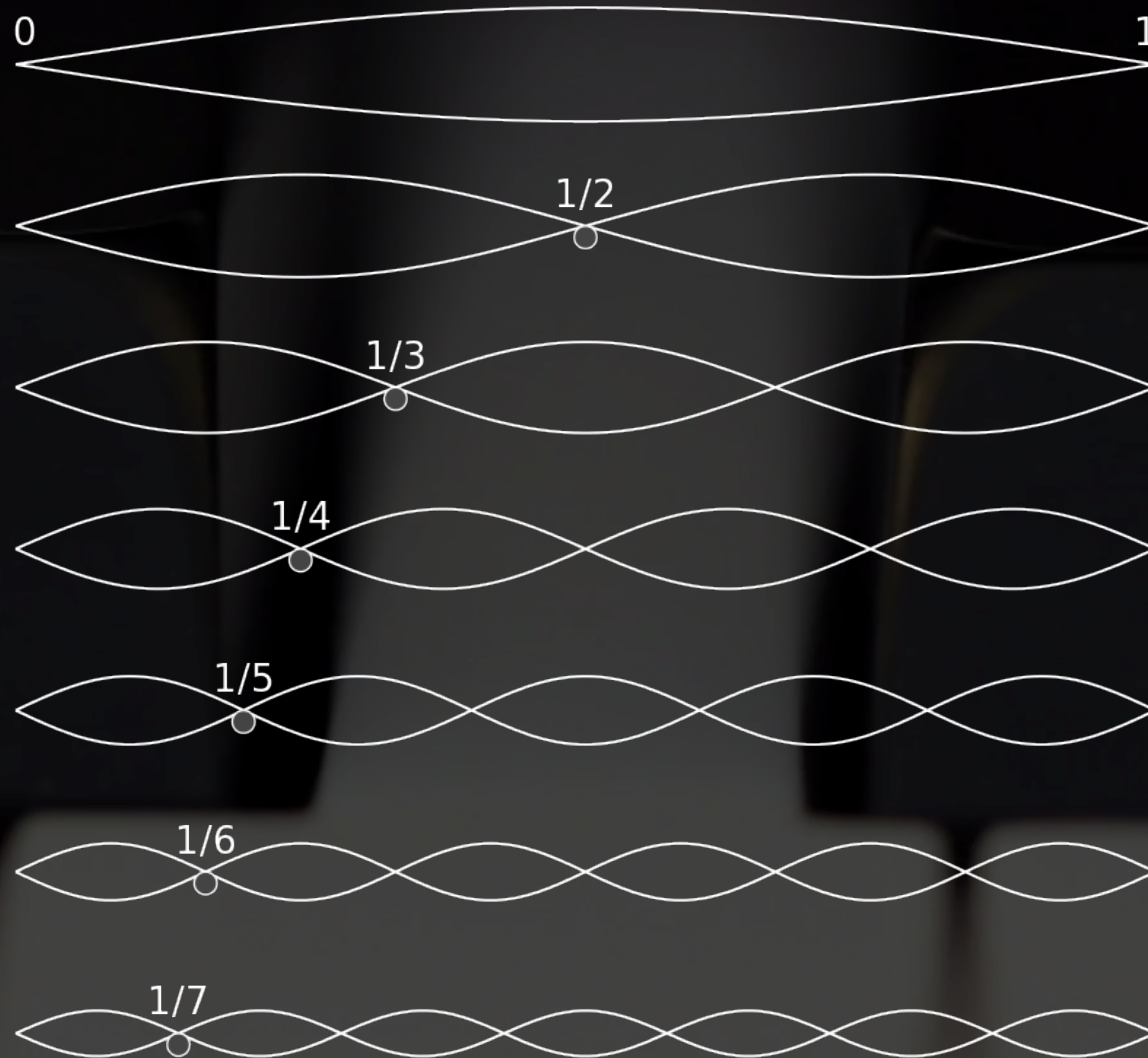
*As Above, So Below*

By Christian Kromme

# AS ABOVE, SO BELOW



# EACH WAVE RESONATED ON A HIGHER HARMONIC FREQUENCY



# YOUNG'S THEORY OF EVOLUTION OF LIFE ON EARTH



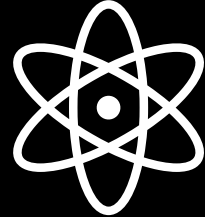
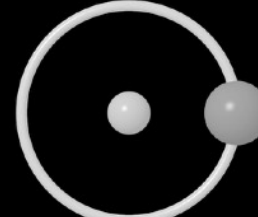
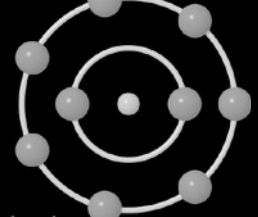
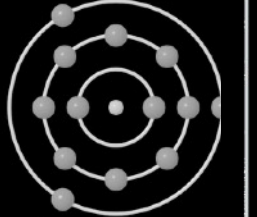
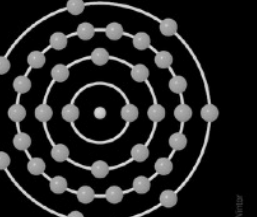
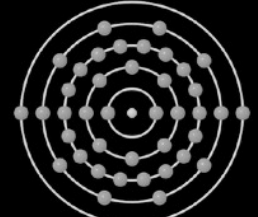
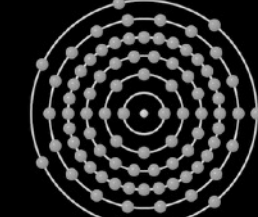
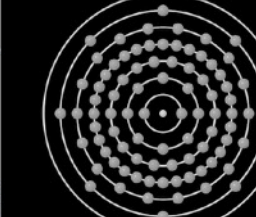
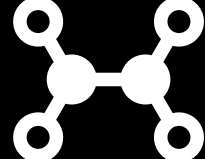
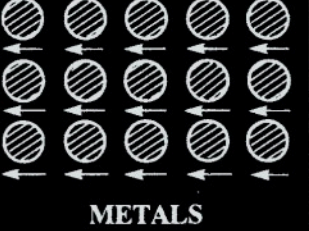
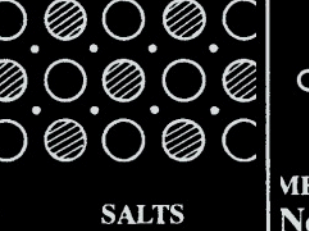

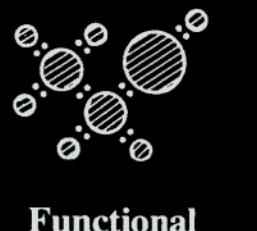
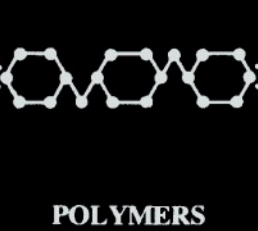
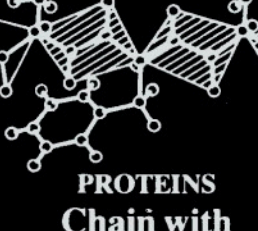

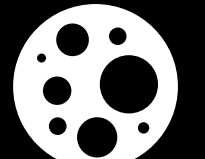
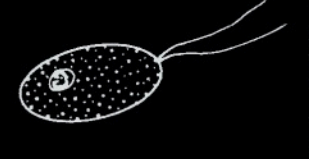







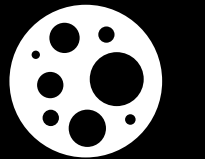
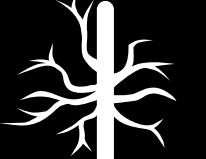






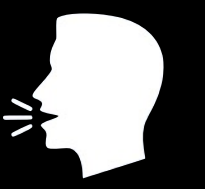



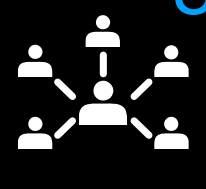




Arthur Middleton Young was an American inventor, helicopter pioneer, cosmologist, philosopher, astrologer and author

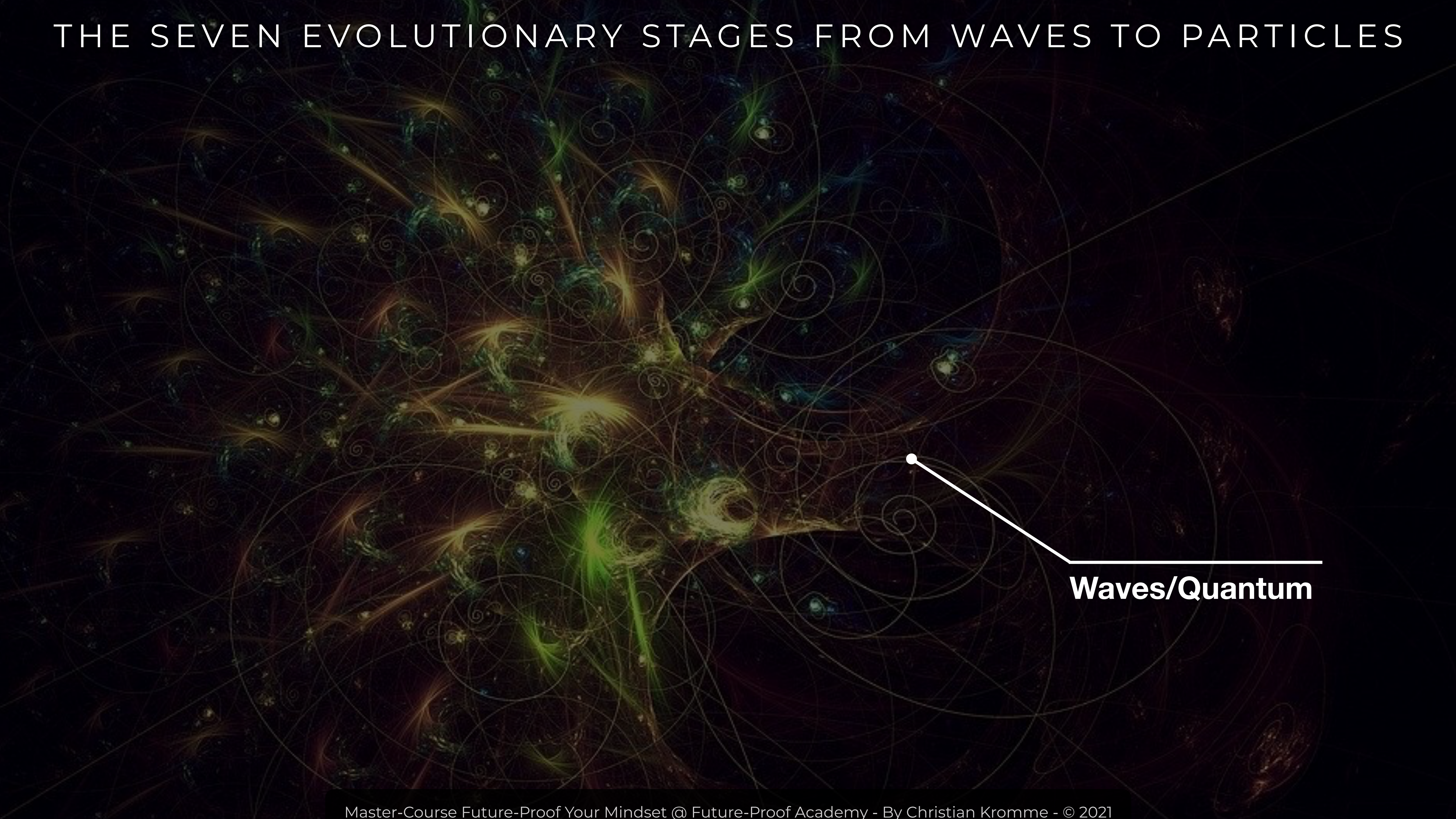


Mr. Young was the designer of Bell Helicopter's first helicopter the model 30

# WE LIVE IN AN UNIQUE ERA



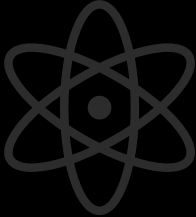






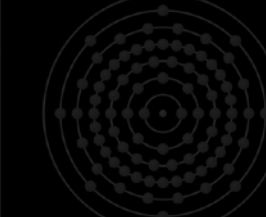
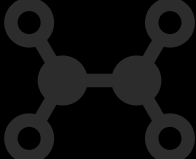







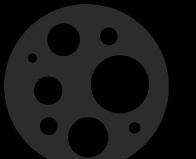
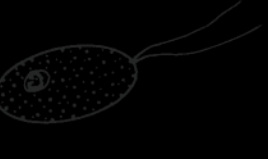



















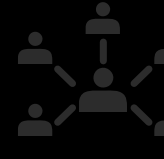


		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy →	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV Molecular spectra	Microwaves Cellular radiation? ← $h\nu = kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's <i>v</i>	Protons <i>p<sup>+</sup></i>	Electrons <i>e<sup>-</sup></i>	Neutrons <i>n</i>	Elec. Matter <i>me</i>	Muon Particle <i>mu</i>	Tau Particle <i>mt</i>
<b>Atoms</b> Physics		Hydrogen 	Uranium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		 METALS Single Atoms	 SALTS Double Atoms	 METHANE SERIES Non-functional Compounds	 Functional Compounds	 POLYMERS Chains	 PROTEINS Chain with Side Chains	 DNA AND VIRUSES
<b>Cells</b> Botany		 BACTERIA One Cell	 ALGAE Many Cells	 EMBRYOPHYTES Tissue	 PSILOPHYTALES Many Tissues	 CALAMITES Segmented Larger Size	 GYMNOSPERMS Mobility of Seed	 ANGIOSPERMS Flowers
<b>Organisms</b> Biology								
<b>Organisations</b> Technology		 1	 2	 3	 4	 5	 6	 7

# THE SEVEN EVOLUTIONARY STAGES FROM WAVES TO PARTICLES



Waves/Quantum

# THE SEVEN EVOLUTIONARY STAGES FROM WAVES TO PARTICLES

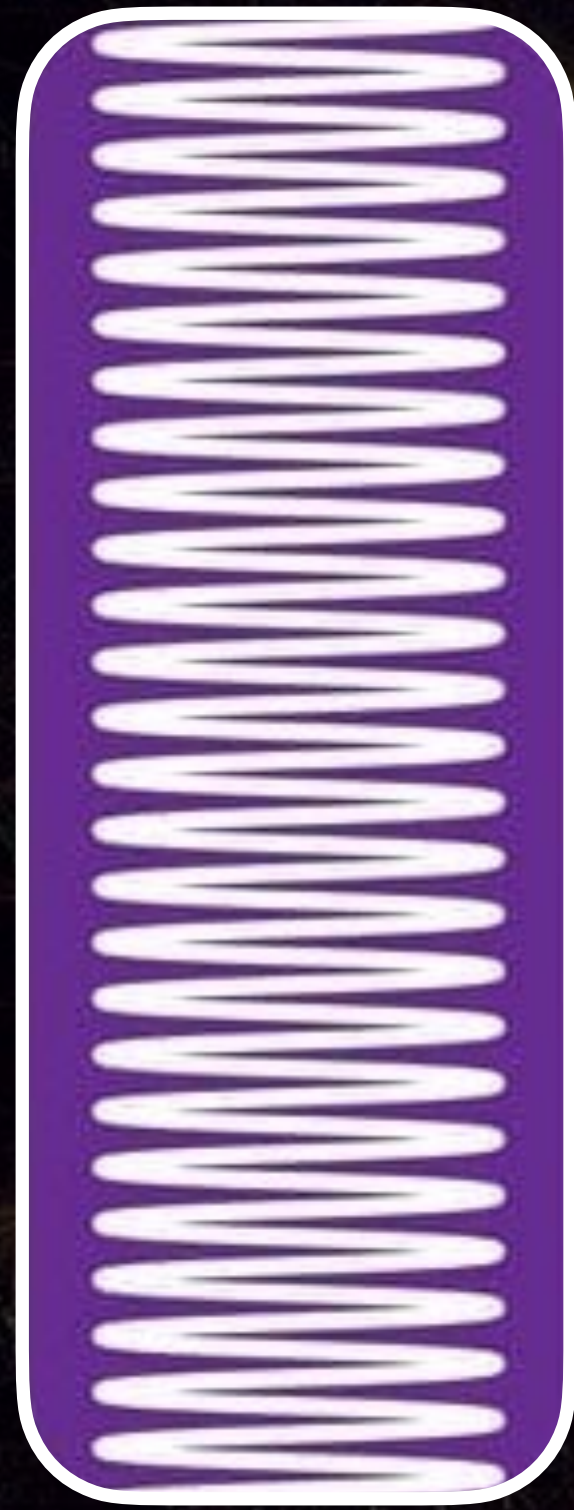
		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy →	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV Molecular spectra	IR Microwaves Cellular radiation? ← $h\nu = kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's <i>v</i>	Protons <i>p<sup>+</sup></i>	Electrons <i>e<sup>-</sup></i>	Neutrons <i>n</i>	Elec. Matter <i>me</i>	Muon Particle <i>mu</i>	Tau Particle <i>mt</i>
<b>Atoms</b> Physics		Hydrogen 	Lithium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		METALS Single Atoms 	SALTS Double Atoms 	METHANE SERIES Non-functional Compounds 	Functional Compounds 	POLYMERS Chains 	PROTEINS Chain with Side Chains 	DNA AND VIRUSES 
<b>Cells</b> Botany		BACTERIA One Cell 	ALGAE Many Cells 	EMBRYOPHYTES Tissue 	PSILOPHYTALES Many Tissues 	CALAMITES Segmented Larger Size 	GYMNOSPERMS Mobility of Seed 	ANGIOSPERMS Flowers 
<b>Organisms</b> Biology								
<b>Organisations</b> Technoloav								

# THE FIRST QUANTUM FLUCTUATIONS





# 7 FAMILIES OF WAVES



**Cosmic Waves**



**Gamma Waves**



**X-Ray Waves**



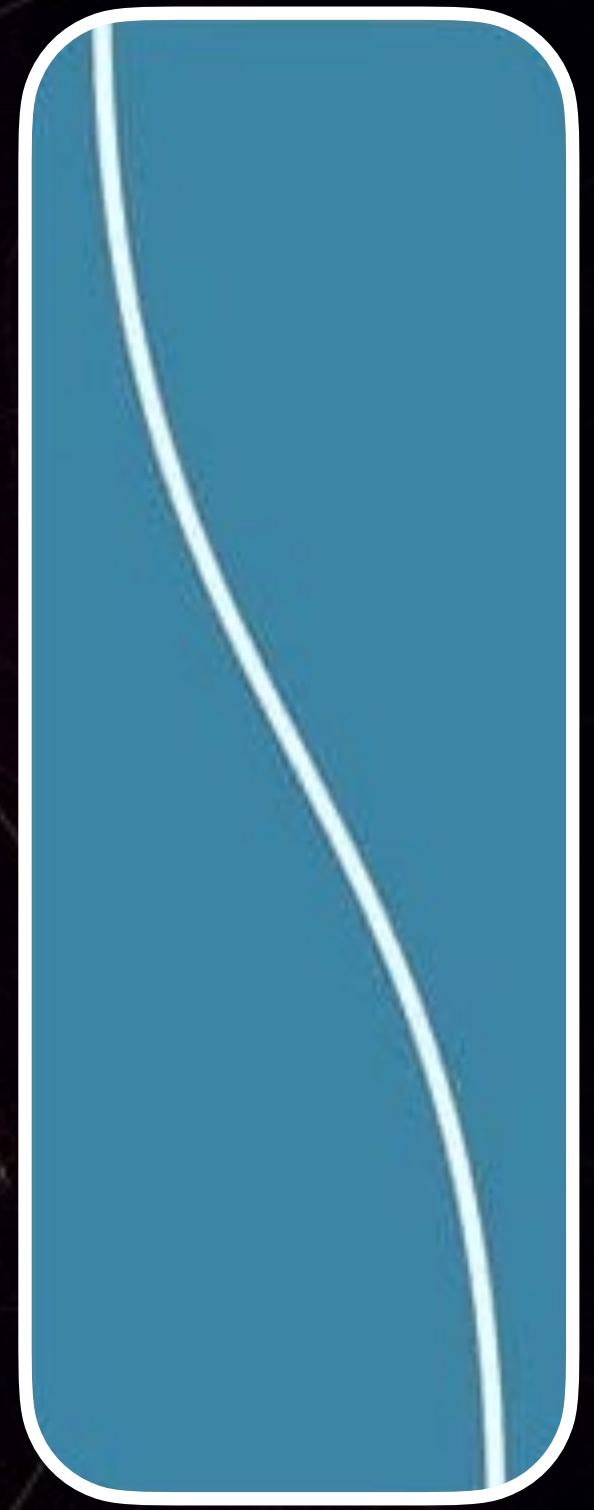
**UV to IR Waves**



**Micro Waves**

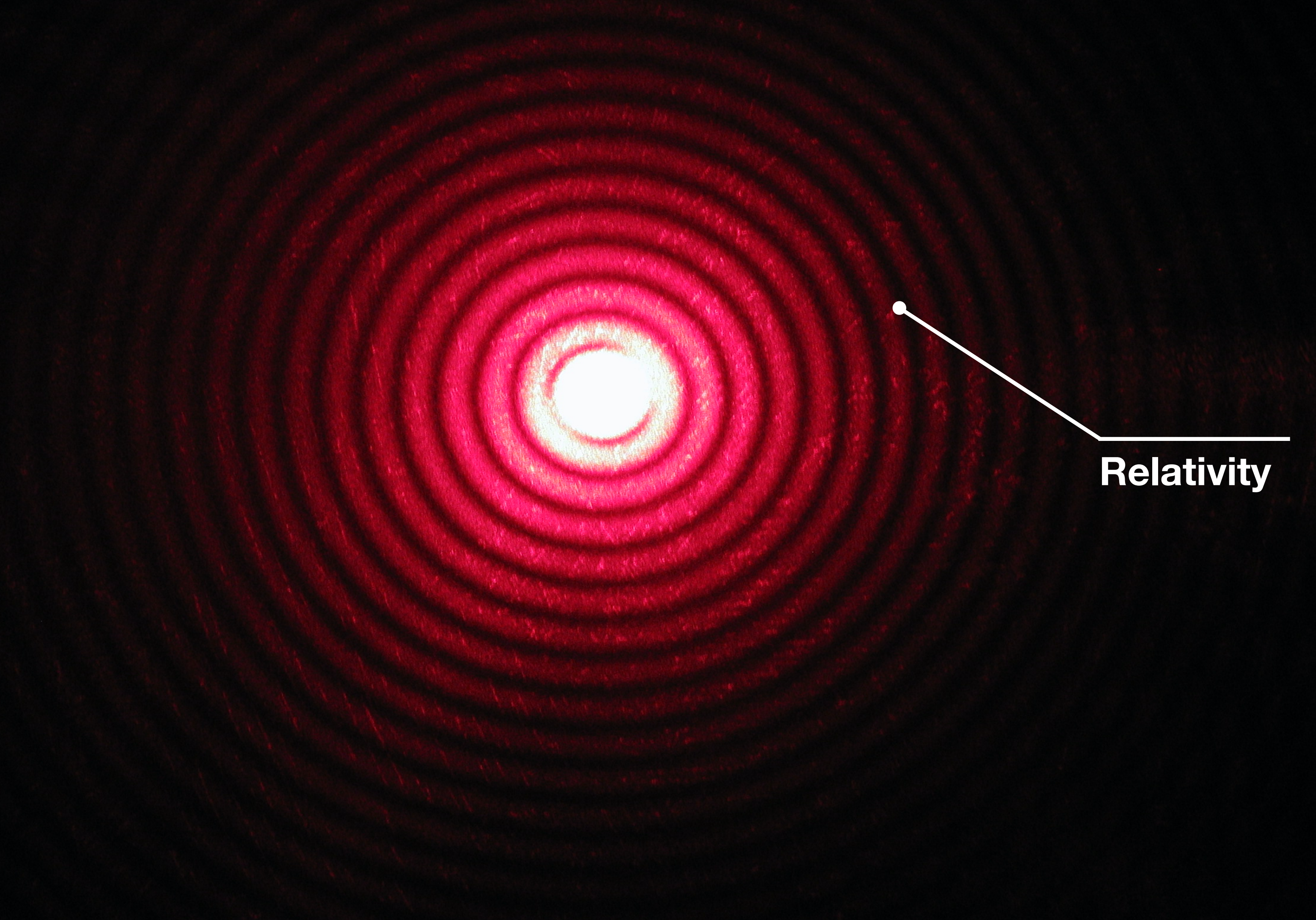


**Radio Waves**





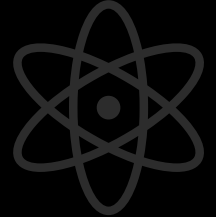






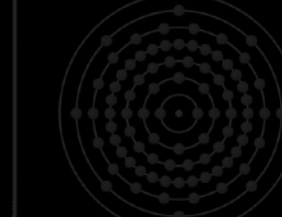
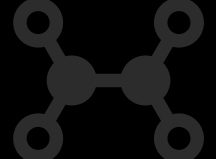







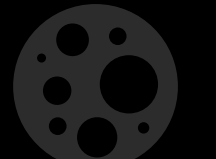
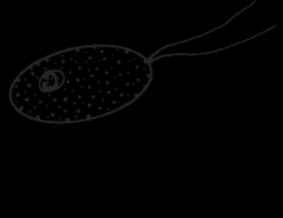
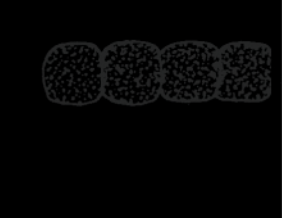





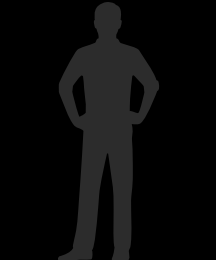
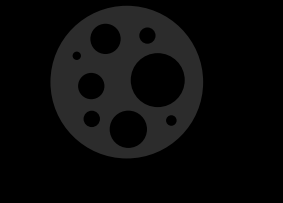
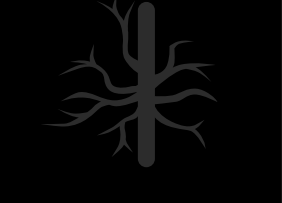









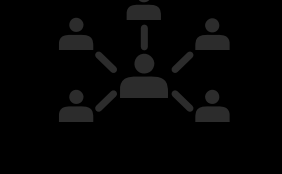


**Low frequency Waves**

# THE SEVEN EVOLUTIONARY STAGES FROM PARTICLES TO ATOMS



**Relativity**

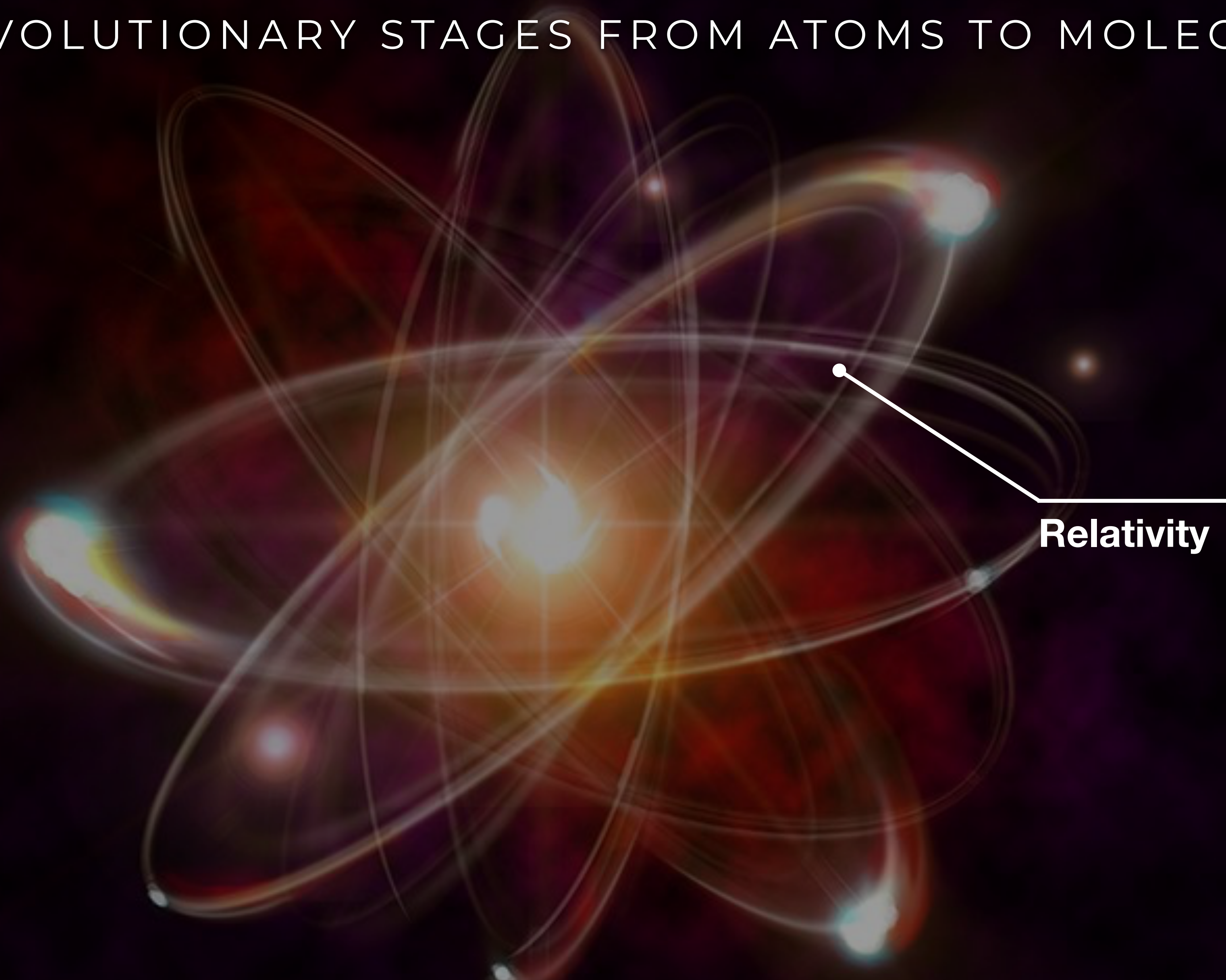
# THE SEVEN EVOLUTIONARY STAGES FROM PARTICLES TO ATOMS

		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV Molecular spectra	Microwaves Cellular radiation? $hv=kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's $\nu$	Protons $p^+$	Electrons $e^-$	Neutrons $n$	Elec. Matter $me$	Muon Particle $mu$	Tau Particle $mt$
<b>Atoms</b> Physics		Hydrogen 	Lithium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		METALS Single Atoms 	SALTS Double Atoms 	METHANE SERIES Non-functional Compounds 	Functional Compounds 	POLYMERS Chains 	PROTEINS Chain with Side Chains 	DNA AND VIRUSES 
<b>Cells</b> Botany		BACTERIA One Cell 	ALGAE Many Cells 	EMBRYOPHYTES Tissue 	PSILOPHYTALES Many Tissues 	CALAMITES Segmented Larger Size 	GYMNOSPERMS Mobility of Seed 	ANGIOSPERMS Flowers 
<b>Organisms</b> Biology								
<b>Organisations</b> Technoloav								

# 7 FAMILIES OF SUB ATOMIC PARTICLES


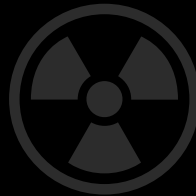
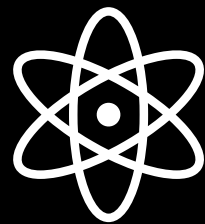
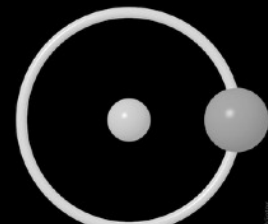
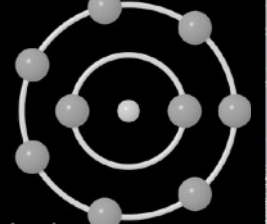
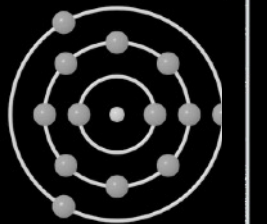
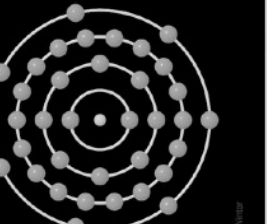
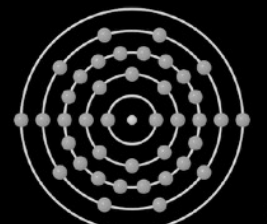
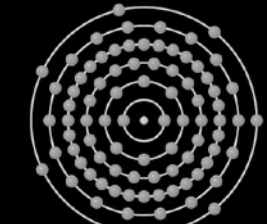
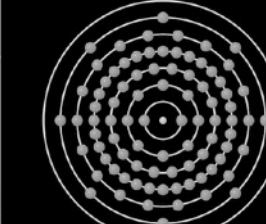
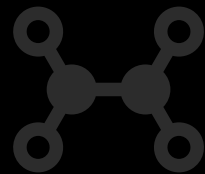


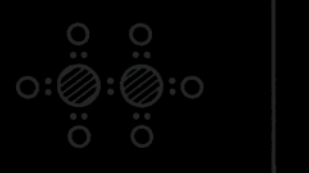




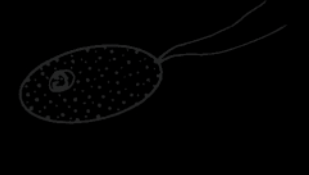






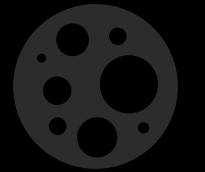

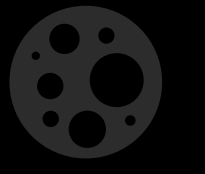











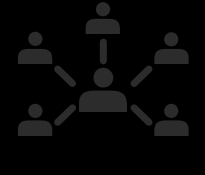


<b>No</b>	<b>Particle Type</b>	<b>Quantity</b>
1	Quarks	6
2	Leptons	12
3	Bosons, Hadreons, Composite	5
4	Baryons/Hyperons	35
5	Mesons/Quarkonia	35
6	Masons, Light Unflavored	41
7	Exotic Hadrons	135

# THE SEVEN EVOLUTIONARY STAGES FROM ATOMS TO MOLECULES



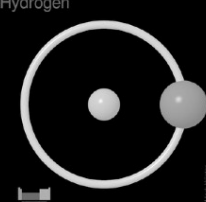
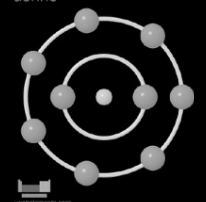
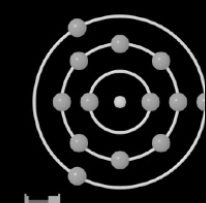
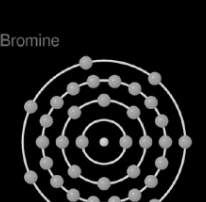


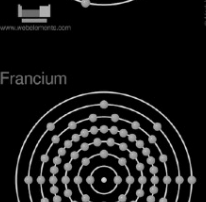
**Relativity**

# THE SEVEN EVOLUTIONARY STAGES FROM ATOMS TO MOLECULES


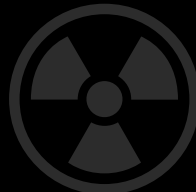
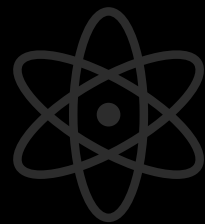


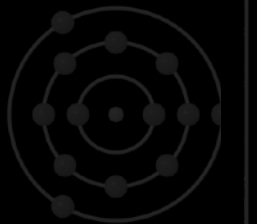


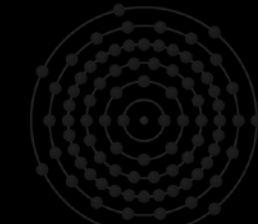
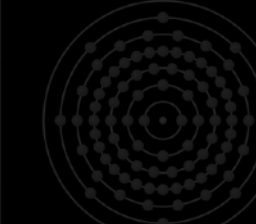
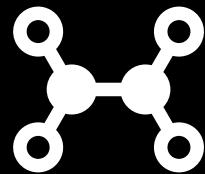
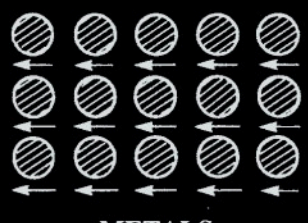
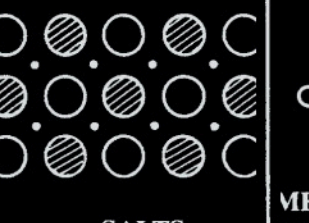
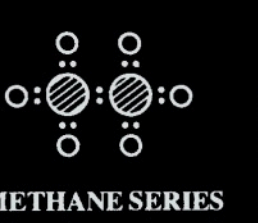
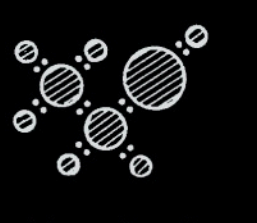

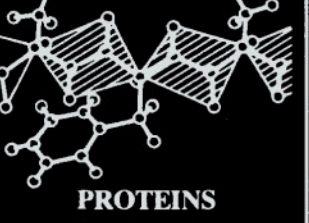
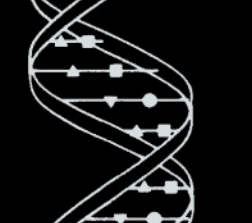

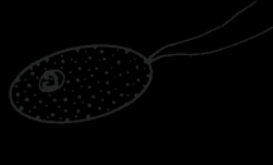



















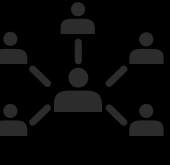


		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV IR Molecular spectra	Microwaves Cellular radiation? $h\nu = kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's	Protons	Electrons	Neutrons	Elec. Matter	Muon Particle	Tau Particle
		$\nu$	$p^+$	$e^-$	$n$	$me$	$mu$	$mt$
<b>Atoms</b> Physics		Hydrogen 	Fluorine 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		 METALS Single Atoms	 SALTS Double Atoms	 METHANE SERIES Non-functional Compounds	 Functional Compounds	 POLYMERS Chains	 PROTEINS Chain with Side Chains	 DNA AND VIRUSES
		 BACTERIA One Cell	 ALGAE Many Cells	 EMBRYOPHYTES Tissue	 PSILOPHYTALES Many Tissues	 CALAMITES Segmented Larger Size	 GYMNOSPERMS Mobility of Seed	 ANGIOSPERMS Flowers
<b>Cells</b> Botany								
<b>Organisms</b> Biology								
<b>Organisations</b> Technology								

# SEVEN FAMILIES OF ELEMENTS

## Periodic Table of the Elements

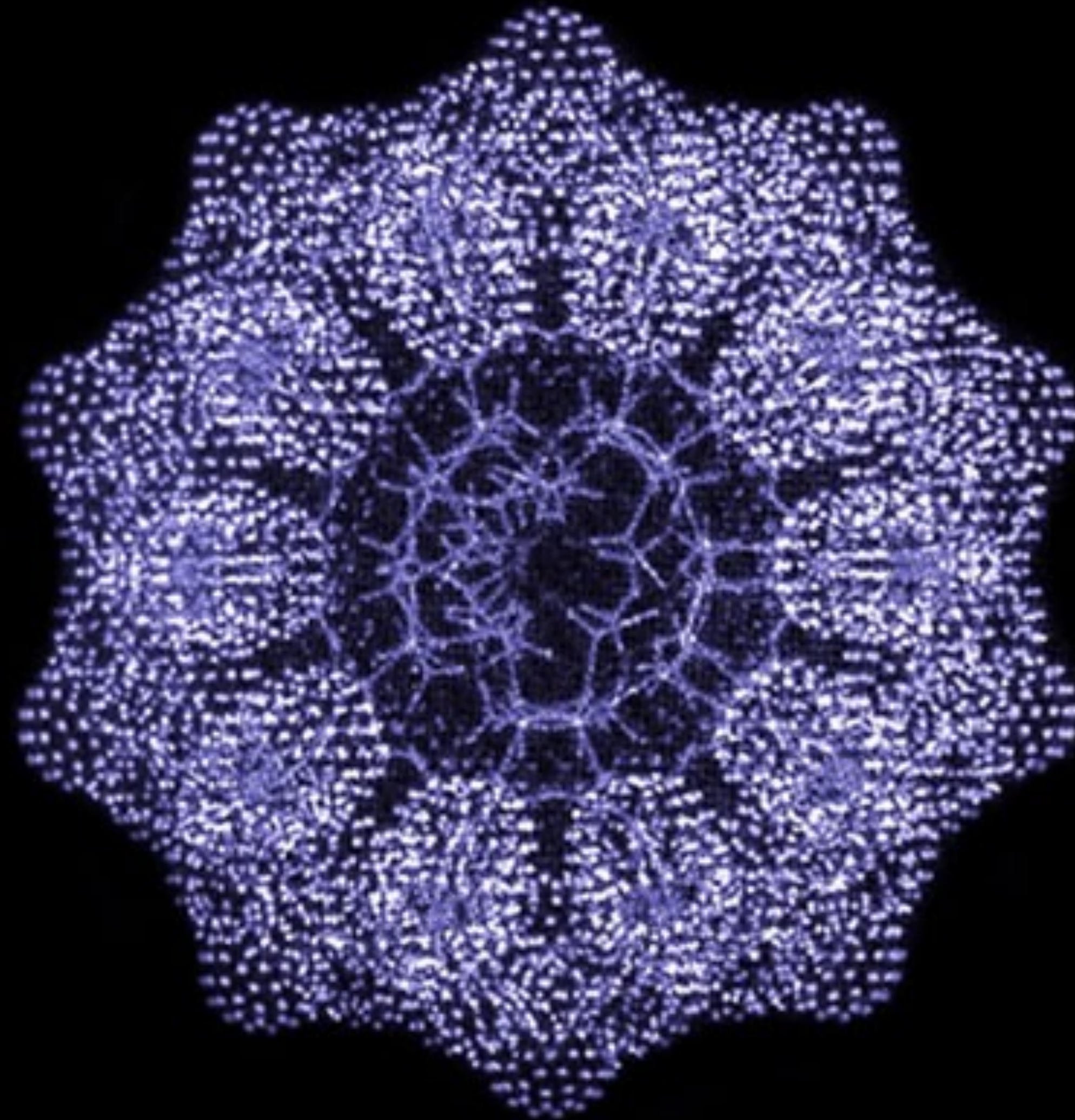
	1 1IA 1A																18 VIIIA 8A	
1	 <b>H</b> Hydrogen 1.008	2 IIA 2A															2 <b>He</b> Helium 4.003	
2	 <b>Li</b> Lithium 6.941	<b>Be</b> Beryllium 9.012											5 <b>B</b> Boron 10.811	6 <b>C</b> Carbon 12.011	7 <b>N</b> Nitrogen 14.007	8 <b>O</b> Oxygen 15.999	9 <b>F</b> Fluorine 18.998	10 <b>Ne</b> Neon 20.180
3	 <b>Na</b> Sodium 22.99	<b>Mg</b> Magnesium 24.305	3 IIIB 3B	4 IVB 4B	5 VB 5B	6 VIB 6B	7 VIIB 7B	8 VIII 8	9	10	11 IB 1B	12 IIB 2B	13 <b>Al</b> Aluminum 26.982	14 <b>Si</b> Silicon 28.086	15 <b>P</b> Phosphorus 30.974	16 <b>S</b> Sulfur 32.066	17 <b>Cl</b> Chlorine 35.453	18 <b>Ar</b> Argon 39.948
4	 <b>K</b> Potassium 39.098	<b>Ca</b> Calcium 40.078	21 <b>Sc</b> Scandium 44.956	22 <b>Ti</b> Titanium 47.867	23 <b>V</b> Vanadium 50.942	24 <b>Cr</b> Chromium 51.996	25 <b>Mn</b> Manganese 54.938	26 <b>Fe</b> Iron 55.845	27 <b>Co</b> Cobalt 58.933	28 <b>Ni</b> Nickel 58.693	29 <b>Cu</b> Copper 63.546	30 <b>Zn</b> Zinc 65.38	31 <b>Ga</b> Gallium 69.723	32 <b>Ge</b> Germanium 72.631	33 <b>As</b> Arsenic 74.922	34 <b>Se</b> Selenium 78.971	35 <b>Br</b> Bromine 79.904	36 <b>Kr</b> Krypton 83.789
5	 <b>Rb</b> Rubidium 85.468	<b>Sr</b> Strontium 87.62	39 <b>Y</b> Yttrium 88.906	40 <b>Zr</b> Zirconium 91.224	41 <b>Nb</b> Niobium 92.906	42 <b>Mo</b> Molybdenum 95.95	43 <b>Tc</b> Technetium 98.907	44 <b>Ru</b> Ruthenium 101.07	45 <b>Rh</b> Rhodium 102.906	46 <b>Pd</b> Palladium 106.42	47 <b>Ag</b> Silver 107.868	48 <b>Cd</b> Cadmium 112.414	49 <b>In</b> Indium 114.818	50 <b>Sn</b> Tin 118.711	51 <b>Sb</b> Antimony 121.760	52 <b>Te</b> Tellurium 127.6	53 <b>I</b> Iodine 126.904	54 <b>Xe</b> Xenon 131.294
6	 <b>Cs</b> Cesium 132.905	<b>Ba</b> Barium 137.328	57-71	72 <b>Hf</b> Hafnium 178.49	73 <b>Ta</b> Tantalum 180.948	74 <b>W</b> Tungsten 183.84	75 <b>Re</b> Rhenium 186.207	76 <b>Os</b> Osmium 190.23	77 <b>Ir</b> Iridium 192.217	78 <b>Pt</b> Platinum 195.085	79 <b>Au</b> Gold 196.967	80 <b>Hg</b> Mercury 200.592	81 <b>Tl</b> Thallium 204.383	82 <b>Pb</b> Lead 207.2	83 <b>Bi</b> Bismuth 208.980	84 <b>Po</b> Polonium [208.982]	85 <b>At</b> Astatine 209.987	86 <b>Rn</b> Radon 222.018
7	 <b>Fr</b> Francium 223.020	<b>Ra</b> Radium 226.025	89-103	104 <b>Rf</b> Rutherfordium [261]	105 <b>Db</b> Dubnium [262]	106 <b>Sg</b> Seaborgium [266]	107 <b>Bh</b> Bohrium [264]	108 <b>Hs</b> Hassium [269]	109 <b>Mt</b> Meitnerium [278]	110 <b>Ds</b> Darmstadtium [281]	111 <b>Rg</b> Roentgenium [280]	112 <b>Cn</b> Copernicium [285]	113 <b>Nh</b> Nihonium [286]	114 <b>Fl</b> Flerovium [289]	115 <b>Mc</b> Moscovium [286]	116 <b>Lv</b> Livermorium [293]	117 <b>Ts</b> Tennessine [294]	118 <b>Og</b> Oganesson [294]

# 7 WAVES FROM ATOMS TO MOLECULES


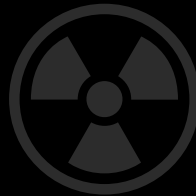
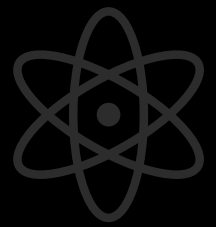






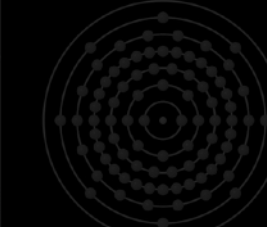
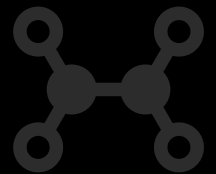
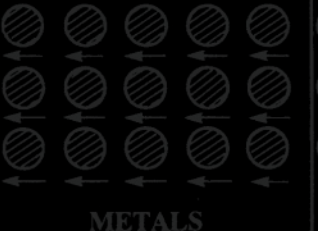






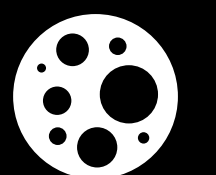
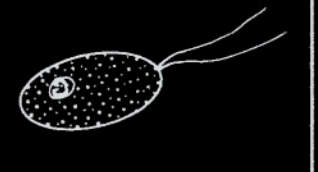







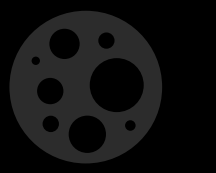











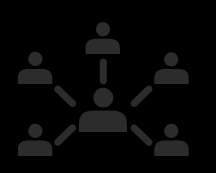


		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV IR Molecular spectra	Microwaves Cellular radiation? $hv=kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's <i>v</i>	Protons <i>p<sup>+</sup></i>	Electrons <i>e<sup>-</sup></i>	Neutrons <i>n</i>	Elec. Matter <i>me</i>	Muon Particle <i>mu</i>	Tau Particle <i>mt</i>
<b>Atoms</b> Physics		Hydrogen 	Lithium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		 METALS Single Atoms	 SALTS Double Atoms	 METHANE SERIES Non-functional Compounds	 Functional Compounds	 POLYMERS Chains	 PROTEINS Chain with Side Chains	 DNA AND VIRUSES
<b>Cells</b> Botany		 BACTERIA One Cell	 ALGAE Many Cells	 EMBRYOPHYTES Tissue	 PSILOPHYTALES Many Tissues	 CALAMITES Segmented Larger Size	 GYMNOSPERMS Mobility of Seed	 ANGIOSPERMS Flowers
<b>Organisms</b> Biology								
<b>Organisations</b> Technoloav								



# THE SEVEN EVOLUTIONARY STAGES FROM MOLECULES TO CELLS




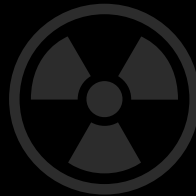
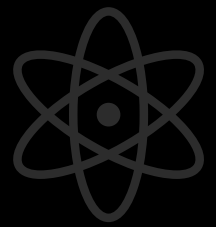






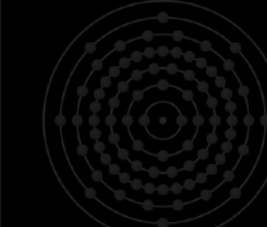
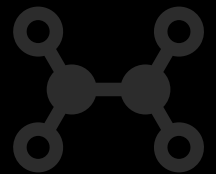
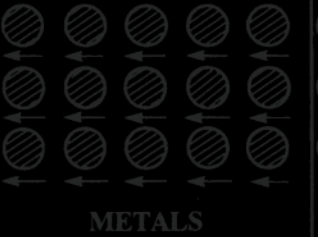






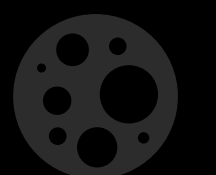
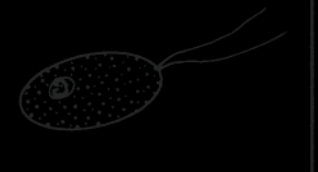







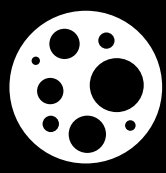
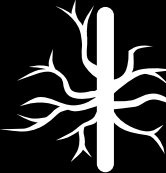










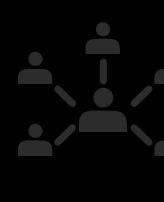


# 7 WAVES FROM ATOMS TO MOLECULES

		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV Molecular spectra	Microwaves Cellular radiation? $hv=kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's <i>v</i>	Protons <i>p<sup>+</sup></i>	Electrons <i>e<sup>-</sup></i>	Neutrons <i>n</i>	Elec. Matter <i>me</i>	Muon Particle <i>mu</i>	Tau Particle <i>mt</i>
<b>Atoms</b> Physics		Hydrogen 	Lithium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		 METALS Single Atoms	 SALTS Double Atoms	 METHANE SERIES Non-functional Compounds	 Functional Compounds	 POLYMERS Chains	 PROTEINS Chain with Side Chains	 DNA AND VIRUSES
<b>Cells</b> Botany		 BACTERIA One Cell	 ALGAE Many Cells	 EMBRYOPHYTES Tissue	 PSILOPHYTALES Many Tissues	 CALAMITES Segmented Larger Size	 GYMNOSPERMS Mobility of Seed	 ANGIOSPERMS Flowers
<b>Organisms</b> Biology								
<b>Organisations</b> Technoloav								


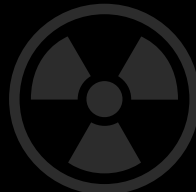
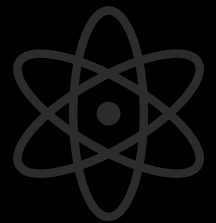


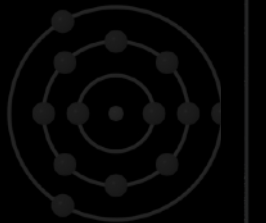



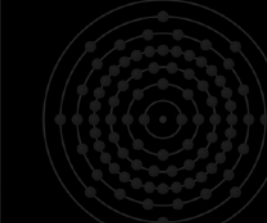
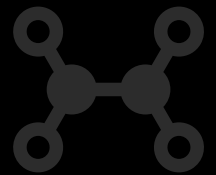
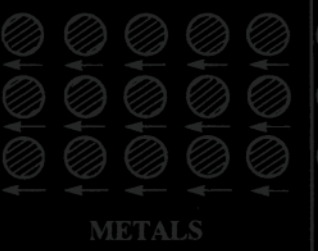



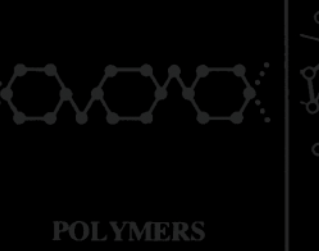


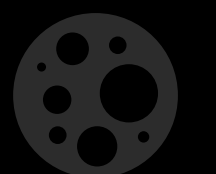
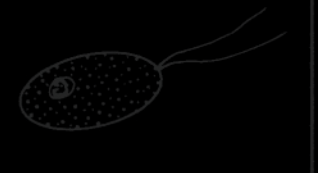







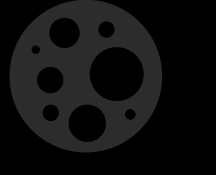







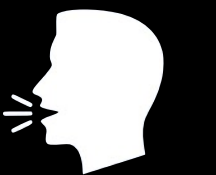



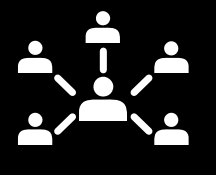


# THE SEVEN EVOLUTIONARY STAGES FROM CELLS TO ORGANISMS



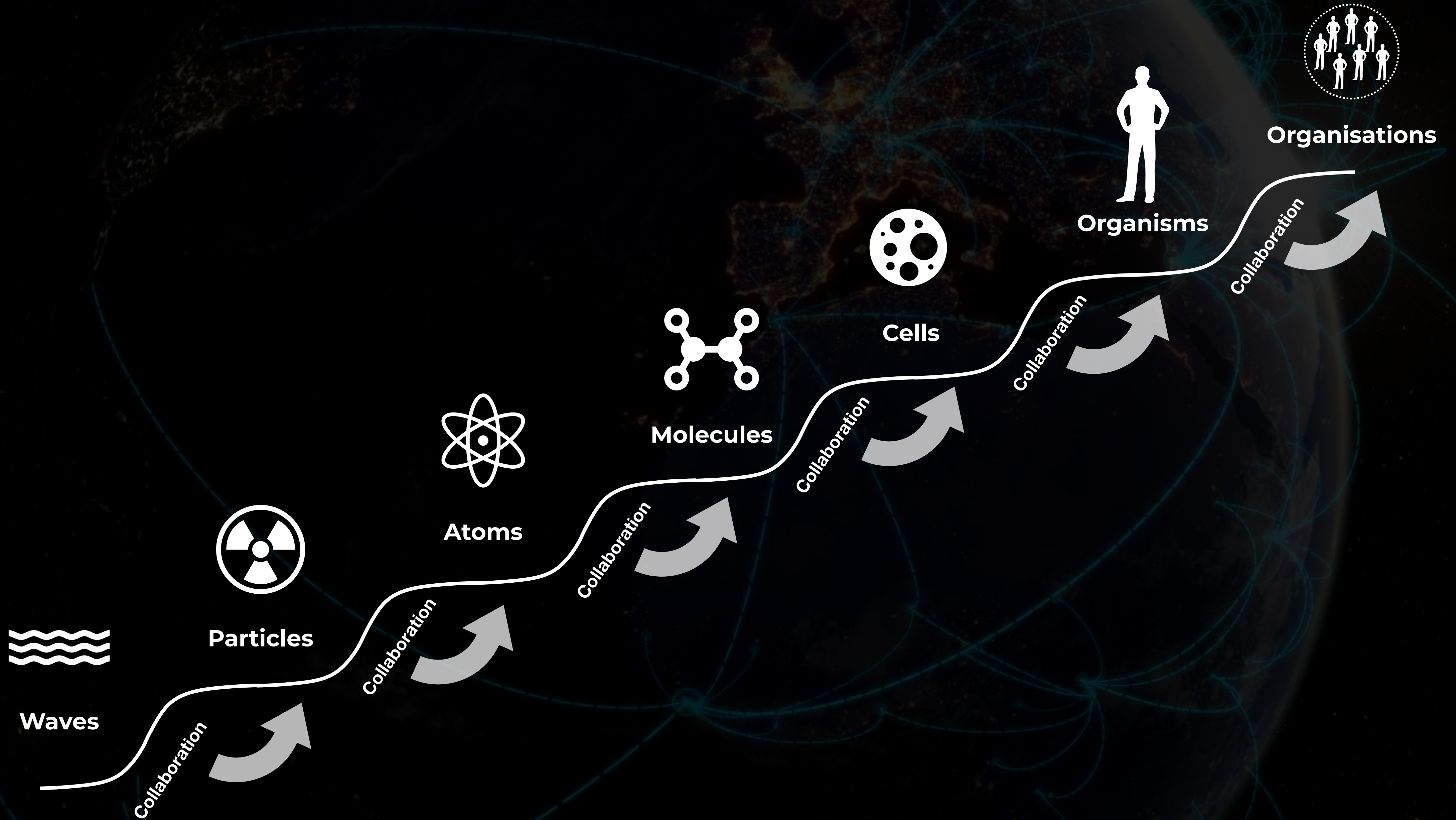
# 7 WAVES FROM ATOMS TO MOLECULES

		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV IR Molecular spectra	Microwaves Cellular radiation? $hv=kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's <i>v</i>	Protons <i>p<sup>+</sup></i>	Electrons <i>e<sup>-</sup></i>	Neutrons <i>n</i>	Elec. Matter <i>me</i>	Muon Particle <i>mu</i>	Tau Particle <i>mt</i>
<b>Atoms</b> Physics		Hydrogen 	Helium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		METALS Single Atoms 	SALTS Double Atoms 	METHANE SERIES Non-functional Compounds 	Functional Compounds 	POLYMERS Chains 	PROTEINS Chain with Side Chains 	DNA AND VIRUSES 
<b>Cells</b> Botany		BACTERIA One Cell 	ALGAE Many Cells 	EMBRYOPHYTES Tissue 	PSILOPHYTALES Many Tissues 	CALAMITES Segmented Larger Size 	GYMNOSPERMS Mobility of Seed 	ANGIOSPERMS Flowers 
<b>Organisms</b> Biology								
<b>Organisations</b> Technoloav								

# 7 WAVES FROM ATOMS TO MOLECULES

		Interaction	Infrastructure	Information	Instinct	Imitation	Intelligence	Imagination
<b>Waves</b> Quantum		$10^{25}$	$10^{22}$	$10^{18}$	$10^{15}$	$10^{11}$	$10^8$	$10^4$ Hz
		$10^{-15}$	$10^{-11}$	$10^{-8}$	$10^{-4}$	$10^{-1}$	$10^3$	$10^6$ cm
		$10^{11}$	$10^7$	$10^4$	$10^0$	$10^{-3}$	$10^{-7}$	$10^{-10}$ eV
		Cosmic rays Proton rest energy	Gamma Rays Nuclear binding energy	X Rays Atomic Spectra	UV IR Molecular spectra	Microwaves Cellular radiation? $hv=kT$	TV and radio waves Animal radiations?	Low frequency waves
<b>Particles</b> Relativity		Neutrino's <i>v</i>	Protons <i>p<sup>+</sup></i>	Electrons <i>e<sup>-</sup></i>	Neutrons <i>n</i>	Elec. Matter <i>me</i>	Muon Particle <i>mu</i>	Tau Particle <i>mt</i>
<b>Atoms</b> Physics		Hydrogen 	Helium 	Aluminium 	Bromine 	Zirconium 	Astatine 	Francium 
<b>Molecules</b> Chemistry		METALS Single Atoms 	SALTS Double Atoms 	METHANE SERIES Non-functional Compounds 	Functional Compounds 	POLYMERS Chains 	PROTEINS Chain with Side Chains 	DNA AND VIRUSES 
<b>Cells</b> Botany		BACTERIA One Cell 	ALGAE Many Cells 	EMBRYOPHYTES Tissue 	PSILOPHYTALES Many Tissues 	CALAMITES Segmented Larger Size 	GYMNOSPERMS Mobility of Seed 	ANGIOSPERMS Flowers 
<b>Organisms</b> Biology								
<b>Organisations</b> Technology								

# AS ABOVE, SO BELOW



# UNIVERSAL FRACTAL PATTERN: FIBONACCI CURVE



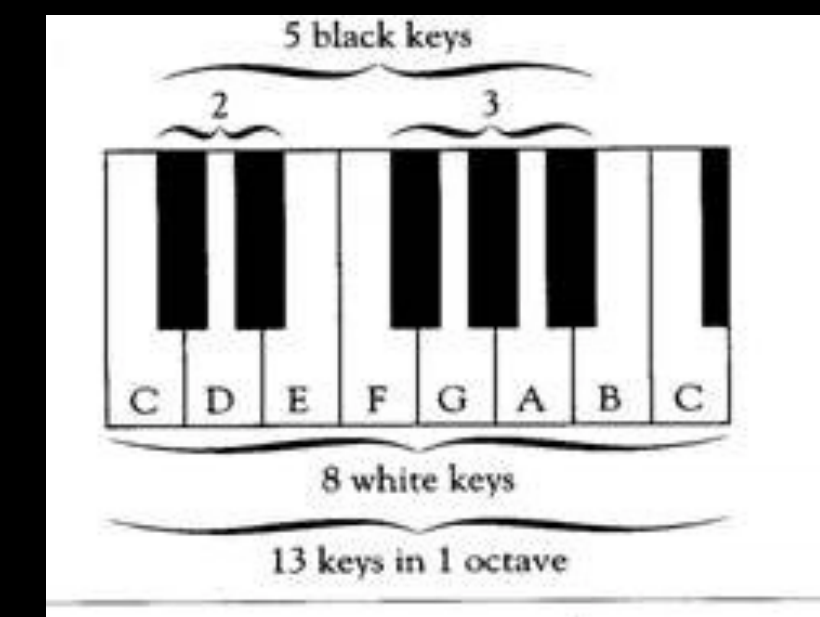
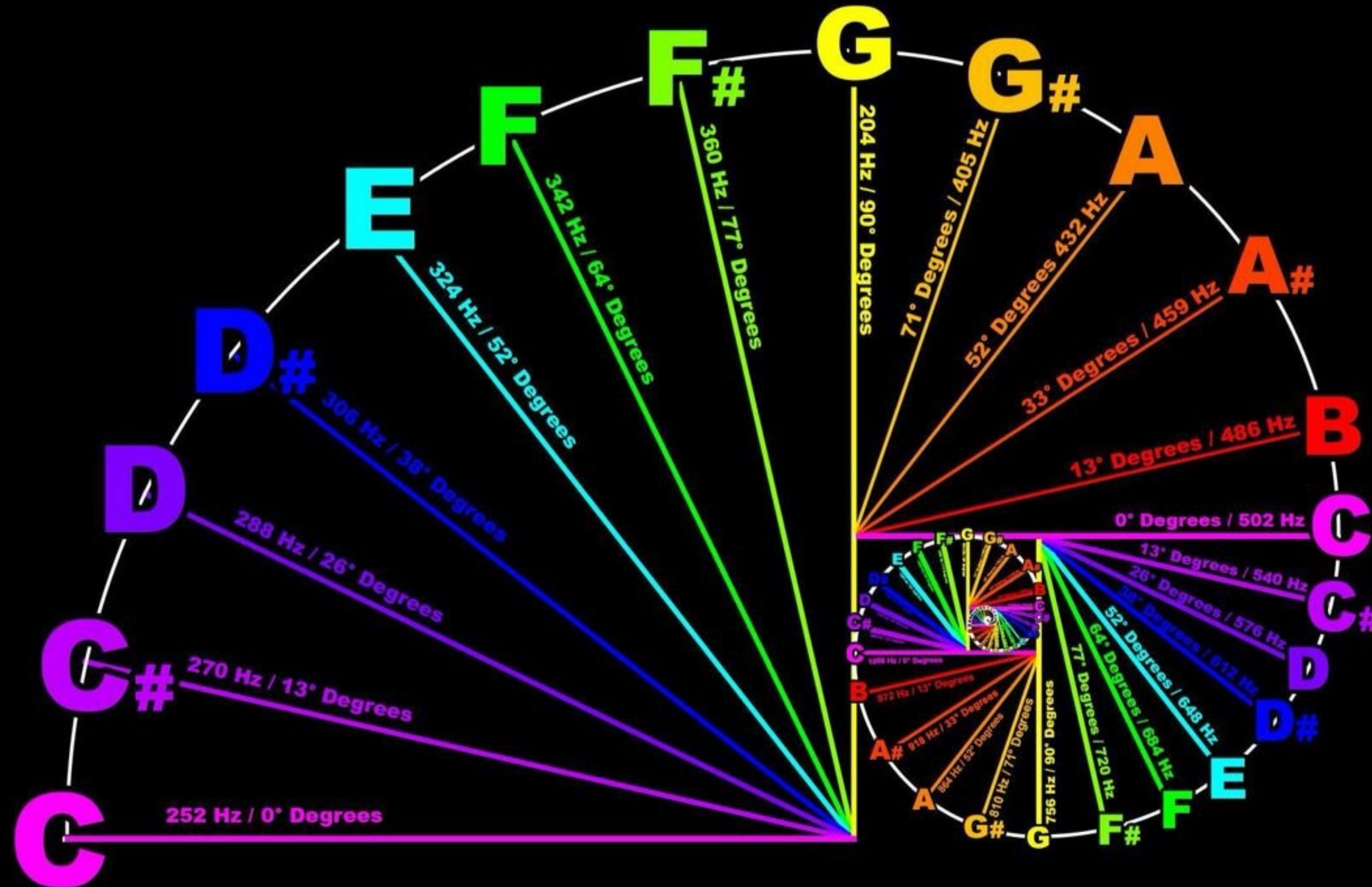
$$\varphi = \frac{1 + \sqrt{5}}{2} \approx 1.618033988749894848204586834365$$

# THE GOLDEN RATIO IN NATURE





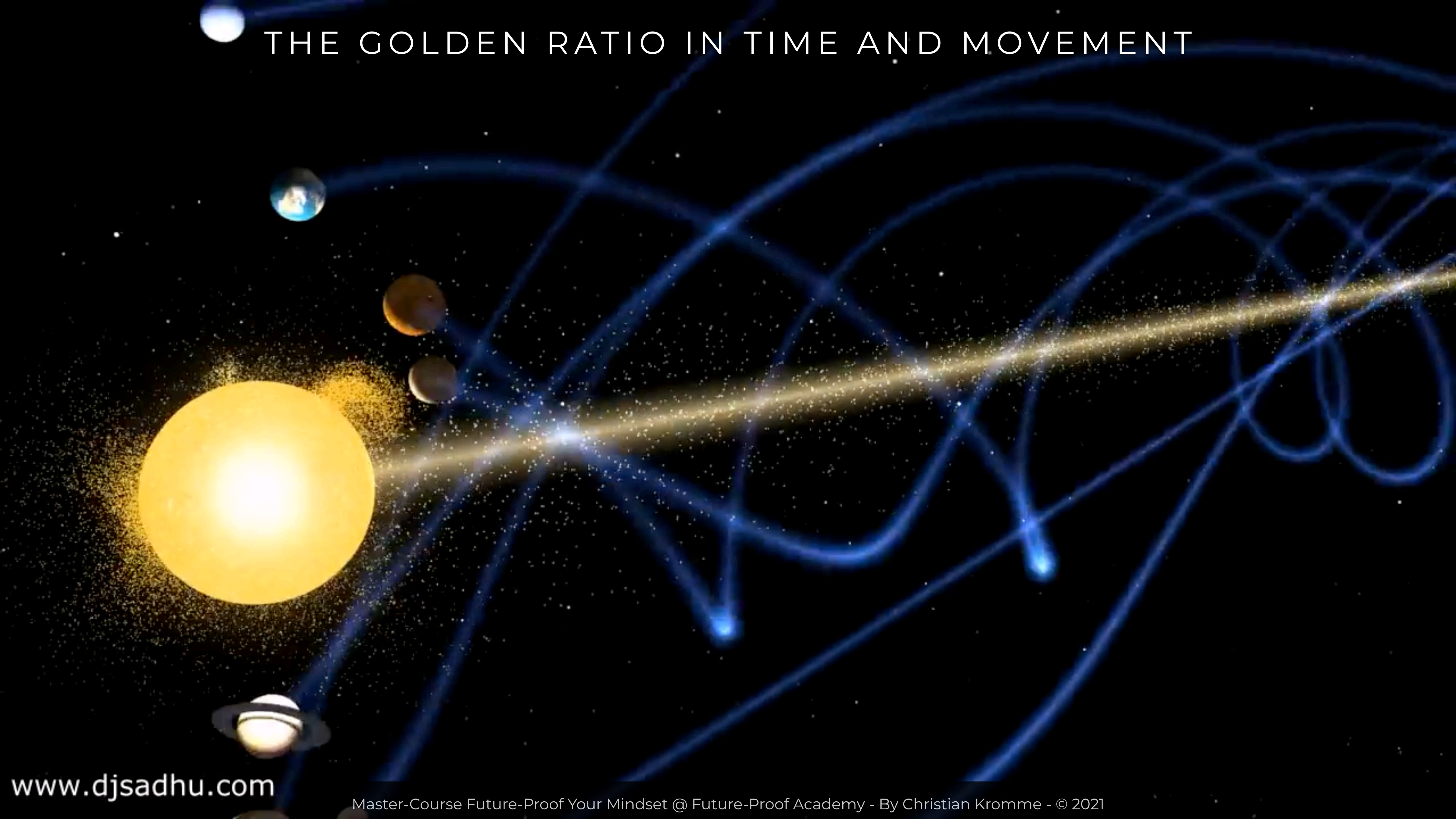
# OUR UNIVERSE IS A SYMPHONY OF FREQUENCIES



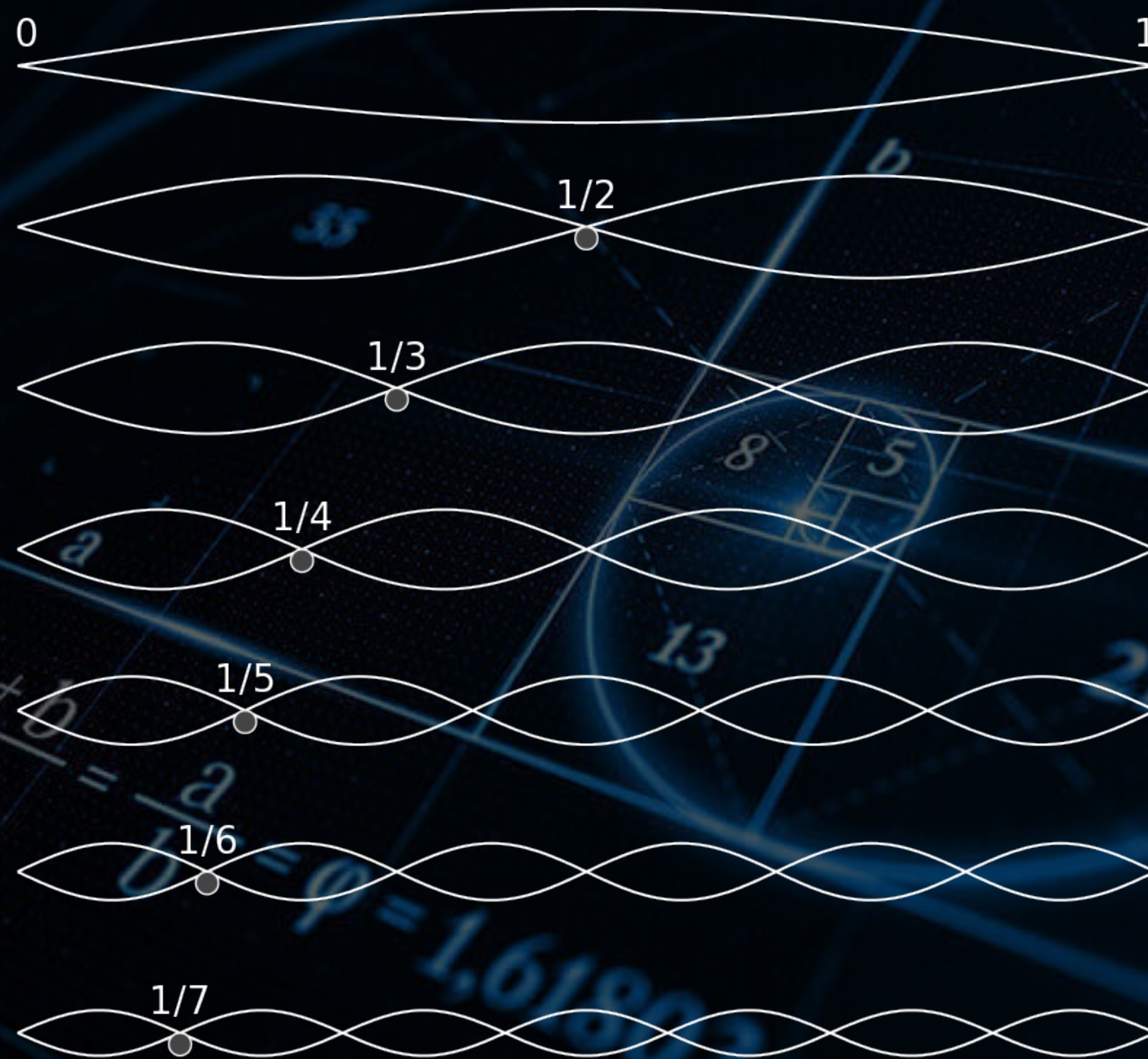
# THE GOLDEN RATIO IN NATURE



# THE GOLDEN RATIO IN TIME AND MOVEMENT



# OUR UNIVERSE IS A SYMPHONY OF FREQUENCIES



IS INTELLIGENCE THE THRIVING FORCE BEHIND THIS PROCESS?

$$\mathbf{F} = \mathbf{T} \mathbf{V} \mathbf{S}_T$$

Force                      Strength                      Diversity                      Horizon

*Dr. Alexander D. Wissner-Gross*

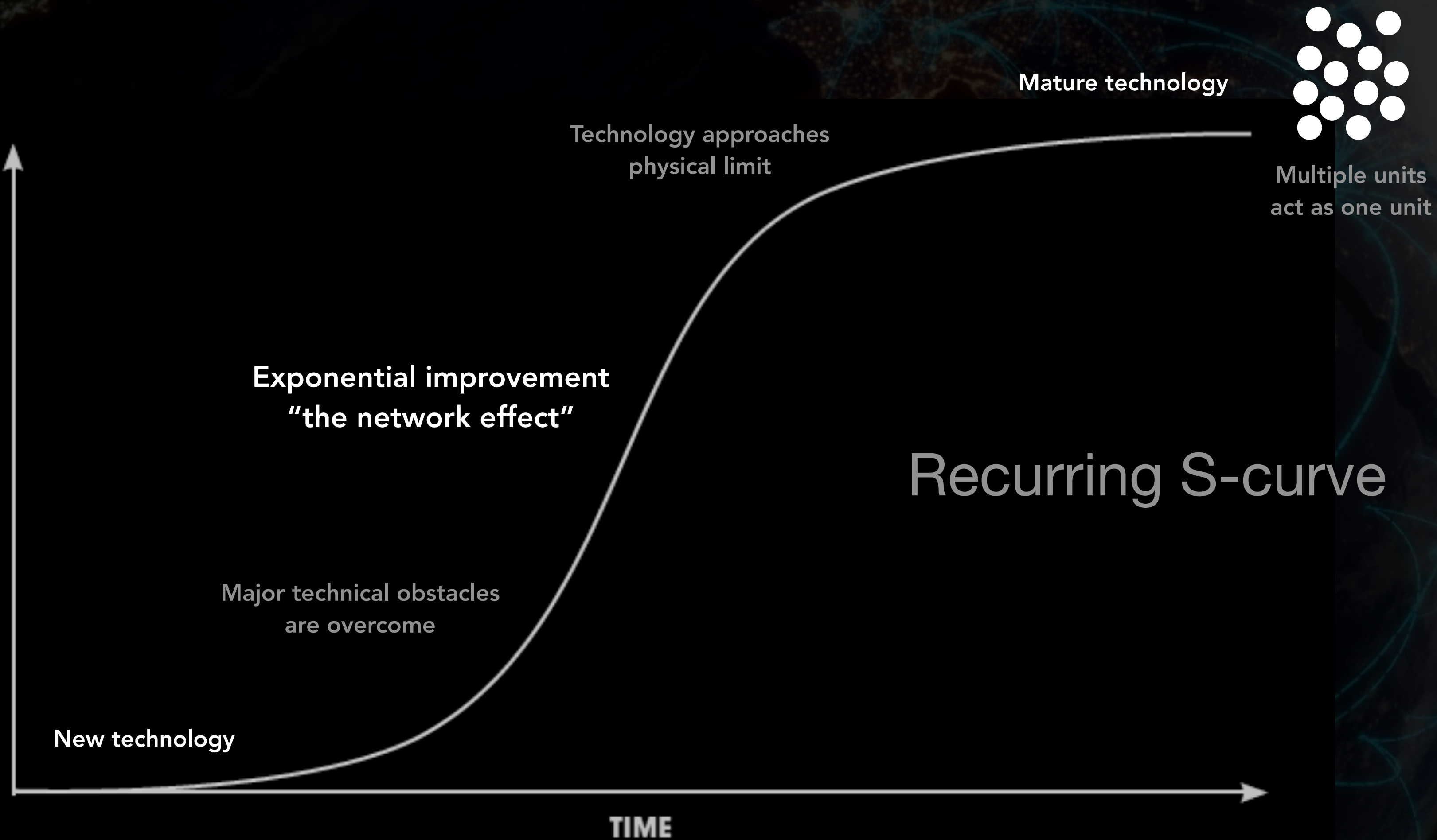
# INTELLIGENCE WANTS TO MAXIMISE FUTURE FREEDOM OF ACTION

$$F = T \nabla S_T$$

Multiply  
Complexity  
Specialisation  
Diversity  
Socialisation



Single Unit



CARL SAGAN

“The cosmos is within us. We are made of star-stuff. We are a way for the universe to know itself”

— Carl Sagan—