



# ATP

- 1
- 2
- 3
- 4
- 5

ADP

ATP is useful because:

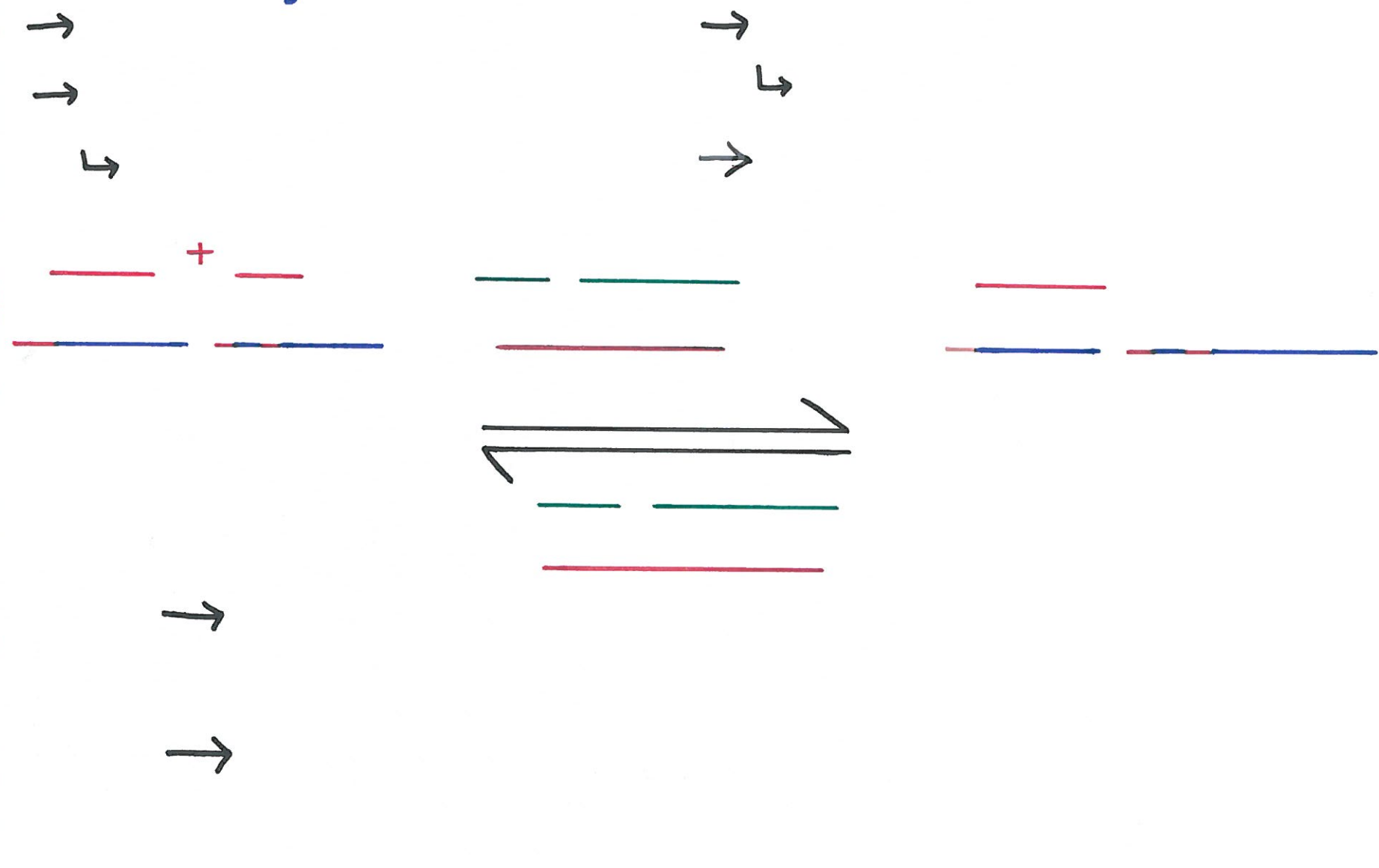
P<sub>i</sub>

ATP

Condensation

Hydrolysis

Phosphorylate





# Water

Hydrogen  
Bonds

Structure of H<sub>2</sub>O





# Water

Solvent

Water is an excellent solvent

\_\_\_\_\_ :



Cohesion



Water is a Metabolite

Water is useful for Transport

\_\_\_\_\_ :



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# Water

- 1
- 2
- 3
- 4
- 5

High latent  
heat of  
vaporisation

## Temperature Control



Large specific  
heat capacity



# Water (H<sub>2</sub>O) Summary

1 2 3 4 5

<u>The Importance of H<sub>2</sub>O</u>	<u>Property</u>	<u>Example</u>
→		→
		→
		→
→		→
		→
→		→



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# Inorganic Ions

- 1
- 2
- 3
- 4
- 5

Ion



Ion:

Inorganic

Inorganic:

pH (acidity) ( $H^+$ )

Iron Ions ( $Fe^{2+}$ ,  $Fe^{3+}$ )



Co-transport

Sodium Ions ( $Na^+$ )

Phosphate Ions ( $PO_4^{3-}$ )



Condensation

