

1) When was the first compound microscope (a microscope with multiple lenses) invented?

- A. 1220
- B. 1590
- C. 1822
- D. 1903

2) Coral is best described as being

- A. an animal
- B. a plant
- C. a protist
- D. a fungi

3) White laser light is the most powerful color of laser light.

- A. True
- B. False

4) There are microscopes today that are powerful enough to see atoms.

- A. True
- B. False

5) Haloquadratum (a single-celled organism in salty pools) has no cytoplasm.

- A. True
- B. False

6) The small tails that cells use to propel themselves are called _____.

7) Would you rather encounter a robotic alien or an organic alien?

- A. robotic alien
- B. organic alien

8) Which of the following statements is true?

- A. Every cell has a nucleus.
- B. Fungi cells do not contain mitochondria.
- C. Algae cells are prokaryotic.
- D. Animals are always multicellular.

9) All eukaryotes are multicellular

- A. True
- B. False

10) Honey is made of cells

- A. True
- B. False

11) Select the organisms that have a cell wall.

Choose all that apply:

- A. Snail
- B. Kelp
- C. Mushroom
- D. Elm tree
- E. Lactobacillus bacteria

12) Bacteria have no mitochondria.

- A. True
- B. False

13) Select each example of homeostasis below.

Choose all that apply:

- A. Gazelles startle when they hear a loud sound.
- B. Saltwater fish drink water to replenish the water they have lost.
- C. A person starts shivering to warm themselves up when they are cold.
- D. A bird lays an egg in a nest.

14) If you could only eat with one utensil for the next two years, would you choose a fork, knife, or spoon?

- A. fork
- B. knife
- C. spoon

15) Which of the following can be made of cells?

Choose all that apply:

- A. Sand
- B. Wood
- C. Plastic
- D. Cement

16) There are no multicelled prokaryotes.

- A. True
- B. False

17) DNA is only found in the nucleus of a cell.

- A. True
- B. False

Key:

1. B

2. A

3. B

4. A

5. B

6. flagella

7.

8. D

9. B

10. B

11. B, C, D, E

12. A

13. B, C

14.

15. B, A

16. A

17. B