

Fundamental Science Facts

Basic Science · Answer Key · 20 Questions

1. What is the chemical symbol for water?

- A) O₂
- B) H₂O**
- C) CO₂
- D) NaCl

2. Which planet is known as the 'Red Planet'?

- A) Earth
- B) Jupiter
- C) Mars**
- D) Venus

3. What force keeps us on the ground?

- A) Magnetism
- B) Friction
- C) Gravity**
- D) Inertia

4. What gas do plants absorb from the atmosphere for photosynthesis?

- A) Oxygen
- B) Nitrogen
- C) Carbon Dioxide**
- D) Hydrogen

5. What is the basic unit of life?

- A) Atom
- B) Molecule
- C) Cell**
- D) Organ

6. What is the closest star to Earth?

- A) Alpha Centauri
- B) The Moon
- C) The Sun**
- D) Sirius

7. What is the process by which plants make their own food?

- A) Respiration
- B) Evaporation
- C) Photosynthesis**
- D) Fermentation

8. What is the hardest natural substance on Earth?

- A) Gold
- B) Iron
- C) Diamond**
- D) Quartz

9. What state of matter has a definite volume but no definite shape?

- A) Solid
- B) Liquid**
- C) Gas
- D) Plasma

10. What instrument is used to measure temperature?

- A) Barometer
- B) Anemometer
- C) Ruler
- D) Thermometer**

11. What is the process of water turning into vapor?

- A) Condensation
- B) Precipitation
- C) Evaporation**
- D) Sublimation

12. Which element makes up most of the Earth's atmosphere?

- A) Oxygen
- B) Carbon Dioxide
- C) Helium
- D) Nitrogen**

13. What is the process by which plants release water vapor into the atmosphere?

- A) Photosynthesis
- B) Transpiration**
- C) Absorption
- D) Germination

14. What is the scientific study of living organisms?

- A) Geology
- B) Astronomy
- C) Biology**
- D) Chemistry

15. What is the name of the process where water vapor cools and turns back into liquid water?

- A) Evaporation
- B) Boiling
- C) Condensation**
- D) Freezing

16. Which of the following is a conductor of electricity?

- A) Rubber
- B) Wood
- C) Metal**
- D) Plastic

17. What is the main function of red blood cells?

- A) Fighting infection
- B) Carrying oxygen**
- C) Clotting blood
- D) Producing energy

18. What is the process of a solid turning directly into a gas?

- A) Melting
- B) Evaporation
- C) Condensation
- D) Sublimation**

19. What part of a plant is responsible for absorbing sunlight?

- A) Roots
- B) Stem
- C) Leaves**
- D) Flower

20. What is the unit of force?

- A) Watt
- B) Joule
- C) Newton**
- D) Volt