

## General Science Model Questions with Answer Key - Set 1

1. What is the chemical symbol for water?

- A) CO<sub>2</sub>
- B) H<sub>2</sub>O
- C) O<sub>2</sub>
- D) NaCl

Answer: B) H<sub>2</sub>O

2. Who is known as the father of modern physics?

- A) Isaac Newton
- B) Albert Einstein
- C) Galileo Galilei
- D) Nikola Tesla

Answer: B) Albert Einstein

3. Which planet is known as the Red Planet?

- A) Mars
- B) Venus
- C) Mercury
- D) Jupiter

Answer: A) Mars

4. What is the boiling point of water at standard atmospheric pressure?

- A) 90°C
- B) 100°C
- C) 110°C
- D) 120°C

Answer: B) 100°C

5. Which element is necessary for the process of photosynthesis?

- A) Nitrogen
- B) Oxygen
- C) Carbon dioxide
- D) Helium

Answer: C) Carbon dioxide

6. What is the hardest natural substance found on Earth?

- A) Gold
- B) Diamond
- C) Iron
- D) Silver

Answer: B) Diamond

7. Which vitamin is produced in the human skin when exposed to sunlight?

- A) Vitamin A
- B) Vitamin B
- C) Vitamin C
- D) Vitamin D

Answer: D) Vitamin D

8. What is the SI unit of force?

- A) Newton
- B) Joule
- C) Watt
- D) Pascal

Answer: A) Newton

9. What is the main gas found in the Earth's atmosphere?

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

Answer: B) Nitrogen

10. Which organ in the human body is responsible for pumping blood?

- A) Liver
- B) Brain
- C) Heart
- D) Kidneys

Answer: C) Heart

11. Who invented the periodic table?

- A) Marie Curie
- B) Dmitri Mendeleev
- C) Ernest Rutherford
- D) Niels Bohr

Answer: B) Dmitri Mendeleev

12. Which gas is known as laughing gas?

- A) Nitrogen
- B) Nitrous oxide
- C) Oxygen
- D) Carbon monoxide

Answer: B) Nitrous oxide

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

- A) Respiration
- B) Digestion
- C) Photosynthesis
- D) Excretion

Answer: C) Photosynthesis

14. Which part of the cell contains the genetic material?

- A) Cytoplasm
- B) Nucleus
- C) Cell wall
- D) Mitochondria

Answer: B) Nucleus

15. What type of energy is stored in a battery?

- A) Kinetic energy
- B) Thermal energy
- C) Chemical energy
- D) Mechanical energy

Answer: C) Chemical energy

16. What is the chemical formula for salt?

- A) H<sub>2</sub>O
- B) NaCl
- C) CO<sub>2</sub>
- D) KCl

Answer: B) NaCl

17. What is the largest organ in the human body?

- A) Heart
- B) Brain
- C) Skin
- D) Liver

Answer: C) Skin

18. Which of the following is a non-renewable energy source?

- A) Solar
- B) Wind
- C) Coal
- D) Geothermal

Answer: C) Coal

19. Which blood type is known as the universal donor?

- A) A+
- B) B+
- C) AB+
- D) O-

Answer: D) O-

20. Which acid is found in vinegar?

- A) Citric acid
- B) Hydrochloric acid
- C) Acetic acid
- D) Sulfuric acid

Answer: C) Acetic acid

21. What is the chemical symbol for gold?

- A) Au
- B) Ag
- C) Fe
- D) Cu

Answer: A) Au

22. Which organ is primarily responsible for detoxifying chemicals in the human body?

- A) Lungs
- B) Liver
- C) Heart
- D) Pancreas

Answer: B) Liver

23. What is the powerhouse of the cell?

- A) Nucleus
- B) Mitochondria
- C) Ribosome
- D) Golgi apparatus

Answer: B) Mitochondria

24. Which gas is used by plants during photosynthesis?

- A) Oxygen
- B) Carbon dioxide
- C) Nitrogen
- D) Methane

Answer: B) Carbon dioxide

25. Which planet is known as the Earth's twin?

- A) Mars
- B) Venus
- C) Jupiter
- D) Saturn

Answer: B) Venus

26. What is the smallest unit of life?

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

Answer: C) Cell

27. What is the pH level of pure water?

- A) 5
- B) 7
- C) 9
- D) 11

Answer: B) 7

28. What force keeps planets in orbit around the Sun?

- A) Friction
- B) Magnetism
- C) Gravity
- D) Electricity

Answer: C) Gravity

29. Which part of the plant is responsible for photosynthesis?

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

Answer: B) Leaves

30. What is the chemical formula for carbon dioxide?

- A) CO
- B) CO<sub>2</sub>
- C) H<sub>2</sub>O
- D) CH<sub>4</sub>

Answer: B) CO<sub>2</sub>