

Year 7 UK Science Quiz

Science · Answer Key · 29 Questions

1. What is the powerhouse of the cell?

- A) Nucleus
- B) Mitochondria**
- C) Ribosome
- D) Cell Wall

2. Which gas do plants absorb from the atmosphere for photosynthesis?

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

3. What is the chemical symbol for water?

- A) O₂
- B) CO₂
- C) H₂O**
- D) NaCl

4. What force pulls objects towards the centre of the Earth?

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

5. Which of these is a solid state of matter?

- A) Water
- B) Steam
- C) Ice**
- D) Fog

6. What is the process by which living things reproduce?

- A) Respiration
- B) Digestion
- C) Reproduction**
- D) Excretion

7. What are the basic units of matter?

- A) Cells
- B) Atoms**
- C) Molecules
- D) Organs

8. Which planet is known as the Red Planet?

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

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

- A) Fighting infection
- B) Carrying oxygen**
- C) Clotting blood
- D) Digesting food

10. What is the process of a liquid turning into a gas called?

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

11. Which part of a plant absorbs sunlight for photosynthesis?

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

12. What is the unit of electrical current?

- A) Volt
- B) Ohm
- C) Ampere**
- D) Watt

13. What is the hardest natural substance on Earth?

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

14. What is the process of a gas turning into a liquid called?

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

15. What are the main components of air?

- A) Oxygen and Carbon Dioxide
- B) Nitrogen and Oxygen**
- C) Hydrogen and Helium
- D) Carbon Monoxide and Methane

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

- A) Heart
- B) Brain
- C) Lungs
- D) Skin**

17. Which of these is a renewable energy source?

- A) Coal
- B) Oil
- C) Natural Gas
- D) Solar Power**

18. What is the study of living organisms called?

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

19. What is the process by which heat is transferred through direct contact?

- A) Convection
- B) Radiation
- C) Conduction**
- D) Absorption

20. What is the chemical symbol for iron?

- A) I
- B) Ir
- C) Fe**
- D) lo

21. What type of rock is formed from cooled magma or lava?

- A) Sedimentary
- B) Metamorphic
- C) Igneous**
- D) Fossil

22. What is the name for a group of stars forming a recognizable pattern in the sky?

- A) Galaxy
- B) Nebula
- C) Constellation**
- D) Planet

23. What is the primary function of the digestive system?

- A) Transporting blood
- B) Breaking down food**
- C) Exchanging gases
- D) Controlling movement

24. Which measurement is used for the brightness of a star?

- A) Temperature
- B) Mass
- C) Luminosity**
- D) Size

25. What is the process of plants releasing water vapor from their leaves called?

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

26. What is the term for a substance that speeds up a chemical reaction without being used up?

- A) Inhibitor
- B) Catalyst**
- C) Solvent
- D) Reactant

27. Which of these is a primary colour in light (additive mixing)?

- A) Green**
- B) Yellow
- C) Purple
- D) Orange

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

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

29. What is the scientific study of the Earth's structure and substance?

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