Physical Science Basics

Physical Science · Answer Key · 15 Questions

1. Which state of matter has a definite shape and a definite volume?

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

2. What is the force that pulls objects toward the centre of the Earth?

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

3. Which form of energy is produced by the vibration of objects?

A) Sound
B) Light
C) Chemical
D) Nuclear

4. What is the primary source of light and heat for the Earth?

A) The Moon
B) The Sun
C) Lightning
D) Fire

5. Which material is a good conductor of electricity?

A) Rubber
B) Wood
C) Copper
D) Plastic

6. What happens when water reaches a temperature of 100 degrees Celsius at sea level?

A) It freezes
B) It turns into gas
C) It becomes a solid
D) It turns into oil

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7. Which simple machine consists of a rigid bar that pivots on a fulcrum?

A) Pulley
B) Lever
C) Screw
D) Wedge

8. What is the term for the amount of matter in an object?

A) Weight
B) Volume
C) Mass
D) Density

9. Which of these is a pure substance made of only one type of atom?

A) Water
B) Salt
C) Element
D) Air

10. What is the process called when a liquid changes into a gas?

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

11. Which force opposes motion when two surfaces rub against each other?

A) Gravity
B) Magnetism
C) Friction
D) Tension

12. What do we call a material that does not allow electricity to flow through it easily?

A) Conductor
B) Insulator
C) Circuit
D) Magnet

13. What is the smallest unit of an element that retains its properties?

A) Molecule
B) Compound
C) Atom
D) Cell

14. Which type of energy is stored in food and batteries?

A) Kinetic

B) Chemical

C) Thermal

D) Magnetic

15. What do like poles of two magnets do when placed near each other?

A) Attract

B) Repel

C) Vibrate

D) Heat up