High School Physical Science Fundamentals

Physical Science · Answer Key · 8 Questions

1. Which subatomic particle carries a negative electrical charge?

A) Proton
B) Electron
C) Neutron
D) Positron

2. What is the SI unit for measuring force?

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

3. Which state of matter has a definite volume but no definite shape?

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

4. In the periodic table, what do elements in the same group share?

A) Same atomic mass
B) Same number of valence electrons
C) Same number of neutrons
D) Same boiling point

5. What is the term for the total distance traveled divided by the total time taken?

A) Velocity
B) Acceleration
C) Displacement
D) Average speed

6. According to Newton's First Law of Motion, an object at rest will remain at rest unless acted upon by what?

A) An unbalanced force
B) A gravitational field
C) A magnetic field
D) Constant velocity

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7. Which type of chemical bond involves the sharing of electron pairs between atoms?

A) Ionic bond
B) Metallic bond
C) Covalent bond
D) Hydrogen bond

8. What is the process by which a gas changes directly into a solid?

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