Quantum Physics for Beginners

Quantum Physics · Practice Test · 8 Questions

1. What are tiny packets of light energy called in physics?

A) Electrons
B) Photons
C) Protons
D) Neutrons

2. In quantum physics, light can behave as both a wave and what else?

A) A magnet
B) A particle
C) A liquid
D) A sound wave

3. What is the quantum concept where a particle can exist in multiple states at once until it is measured?

A) Superposition
B) Gravity
C) Friction
D) Evaporation

4. What is the basic unit of information used in quantum computers?

A) Byte
B) Qubit
C) Pixel
D) Grain

5. Which scientist is considered the father of quantum theory for discovering energy quanta in 1900?

A) Max Planck
B) Isaac Newton
C) Galileo Galilei
D) Nikola Tesla

6. Which everyday device uses quantum mechanics to create a concentrated beam of light?

A) Flashlight bulb
B) Laser
C) Candle
D) Magnifying glass

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7. Which negatively charged particles in an atom jump between energy levels by absorbing light energy?

A) Neutrons
B) Protons
C) Electrons
D) Alpha particles

8. What is the name of the quantum effect where a particle passes straight through a barrier?

A) Quantum tunneling
B) Quantum freezing
C) Quantum melting
D) Quantum bouncing

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