Q: What is a scalar?

A: A scalar is a quantity with magnitude but no direction.

Q: What is a vector?

A: A vector is a quantity with both magnitude and direction.

Q: Define mass.

A: Mass is the amount of matter in a body, measured in kilograms.

Q: Define velocity.

A: Velocity is the rate of change of displacement with time.

Q: What is momentum?

A: Momentum is the product of a body's mass and velocity.

Q: What is acceleration?

A: Acceleration is the rate of change of velocity with time.

Q: Define force.

A: Force is anything that causes a body to accelerate.

Q: What is density?

A: Density is mass per unit volume.

Q: Explain work.

A: Work is the energy transferred when a force moves an object.

Q: What is potential energy?

A: Potential energy is energy stored due to position.

Q: Define kinetic energy.

A: Kinetic energy is energy due to motion.

Q: What is power?

A: Power is the rate at which work is done.

Q: What is a wave?

A: A wave is a disturbance that transfers energy through a medium or space.

Q: Explain current.

A: Current is the flow of electric charge.

Q: Define resistance.

A: Resistance is the opposition to the flow of current.