

12 Lecture - PHY101

Important Mcqs

Which of the following is an example of a system of many particles?

- a) A single atom
- b) A bowling ball
- c) A gas in a container
- d) A photon

Answer: c) A gas in a container

What is the name for the force that acts between particles that have an electric charge?

- a) Gravitational force
- b) Electromagnetic force
- c) Strong nuclear force
- d) Weak nuclear force

Answer: b) Electromagnetic force

What is the name for the property of a material that describes how easy it is to bend or deform?

- a) Density
- b) Elasticity
- c) Hardness
- d) Brittleness

Answer: b) Elasticity

Which of the following is an example of a non-conservative force?

- a) Gravity
- b) Elastic force

- c) Friction
- d) Electrostatic force

Answer: c) Friction

What is the name for the quantity that describes how much matter is in a given space?

- a) Volume
- b) Density
- c) Mass
- d) Weight

Answer: b) Density

What is the name for the force that acts between particles that have mass?

- a) Gravitational force
- b) Electromagnetic force
- c) Strong nuclear force
- d) Weak nuclear force

Answer: a) Gravitational force

What is the name for the property of a material that describes how much it can be compressed or squeezed?

- a) Density
- b) Elasticity
- c) Hardness
- d) Compressibility

Answer: d) Compressibility

Which of the following is an example of a conservative force?

- a) Gravity
- b) Elastic force

- c) Friction
- d) Electrostatic force

Answer: a) Gravity

What is the name for the property of a material that describes how much it resists being pulled apart?

- a) Density
- b) Elasticity
- c) Hardness
- d) Tensile strength

Answer: d) Tensile strength

What is the name for the quantity that describes the amount of matter in an object?

- a) Volume
- b) Density
- c) Mass
- d) Weight

Answer: c) Mass