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