12 Lecture - PHY101

Important Mcqs

| Which of the following is an example of a system of many particles? |
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| 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 |
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| Which of the following is an example of a non-conservative force? |

a) Gravity

b) Elastic force

| c) Friction |
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| d) Electrostatic force |
| Answer: c) Friction |
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| 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 |
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| 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 |
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| 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 |
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| Which of the following is an example of a conservative force? |
| a) Gravity |
| b) Elastic force |
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| c) Friction |
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| d) Electrostatic force |
| Answer: a) Gravity |
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| 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 |
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| 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 |
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