

Delhi Public School, Jammu

Assignment for PT-3

Class: 9th

Subject: Physics

Q1: Define displacement and give its SI unit.

Q2: Give the importance of Newton's 2nd law of motion.

Q3: Define momentum and give mathematical relation for it.

Q4: What are the factors affecting acceleration due to gravity.

Q5: Define Kinetic energy and find expression for it.

Q6: Define Archimedes Principle and also give application based on it.

Q7: Define Pressure and derive expression for it.

Q8: Define Buoyancy and Buoyant force and give two applications based on it.

Q9: State and prove law of conservation of linear momentum.

Q10: Define density and relative density. Also give SI unit of density.

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Assignment (weekly)

Q1: Define acceleration due to gravity and give its SI unit.

Q2: Define buoyant force and what are the factors affecting it?

Q3: Define Pressure and give factors affecting it.

Q4: Derive expression for acceleration due to gravity.

Q5: Define Archimedes Principle and also give application based on it.