

Physics (New Book) - 9th Class Physics English Medium Chapter 7 Preparation

Q1. What is up thrust

Ans 1: Up thrust force: There is an up ward force which acts on an object kept inside a liquid This upward force acting on the object is called the up thrust force of the liquid

Ans 2: Principal of floatation: A floating object displaces a fluid having weight equal to the weight of the object

Q2. What is meant by atmospheric ressure

Ans 1: Atmosphere: Earth surrounded by a cover of air called atmosphere

Ans 2: Atmospheric Pressure: Pressure exerted by atmosphere in downward disection is called atmosphere pressure

Q3. What is a barometer

Ans 1: Barometer: An instrument used to measure the atmospheric pressure by determining the height of the mercury column known as barometer

Q4. How Kinetic molecular model of matter is helpful in differentiating various states of matter

Ans 1: Matter is made of particles called molecules.
Molecules remain in continuous motion
Molecules attract each other.

Q5. Explain how a submarine moves up the waters surface and down into water

Ans 1: Submarine can also travel over and under water, when weight of water equal to its volume is greater than its weight. Submarine has a system of tanks. When tanks are filled of sea water, weight of submarine increases, As soon as weight of submarine become greater than upthrust of water, it dives into water and remains under water

Q6. Give three applications of Pascal law

Ans 1: Hydraulic brake system
Hydraulic jack
Hydraulic press

Q7. What is hydrometer

Ans 1: Hydrometer is a glass tube with a scale marked on its stem and heavyweight on the bottom It is use to measure density of fluid

Q8. Why does a piece of stone sink in water but a ship with a huge weight floats.

Ans 1: Ships and boats float on water because the weight of an equal volume of water is greater than the weight of ships and boats. A stone sinks in water because the weight of an equal bolume of water is smaller than the weight of stone.

Q9. What makes a sucker pressed on a smooth wall sticks to it

Ans 1: Sucker pressed on a smooth wall due to atmospheric pressure Sucker pressed on a smooth wall sticks to it because sucker pump the air out In this way pressure outside the sucker is greater than inside of ti.

Q10. What is barometer

Ans 1: The instrument which is used to measure the atmospheric pressure is called barometer Mercury varmeter is used commonly to measure the atmospheric pressure.
