

## GRAVITATION REVISION

1. Why is it difficult to hold a school bag having a strap made of a thin and strong string?

Ans:- It is difficult to hold a school bag having a strap made of thin and strong string, because the thin string has very less contacting area which increases pressure which is uncomfortable to carry the school bag.

2. What do you mean by buoyancy?

Ans:- When an object is placed in liquid, it exerts an upward force on object, which makes the object appear to be lighter. This upward force is called buoyancy.

3. Why does an object float or sink when placed on the surface of water?

Ans:- An object float or sink when placed on the surface of the water because, An object sinks in

water if its density is greater than that of water. An object floats in water if its density is less than that of water.

4. You find your mass to be 42 kg on a weighing machine. Is your mass more or less than 42 kg.

Ans:- The weighing machine measures this apparent weight and hence the mass indicated by it is less than the actual mass. Our actual mass will be more than 42 kg.