

UNIT 6: PROPERTIES MATTER

1. Complete

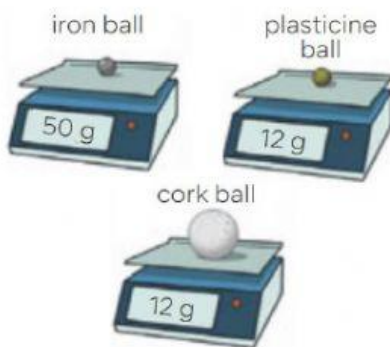
General properties of matter are _____.

- _____ is the amount of matter that an object has. It is measured in **kilograms (kg)** and **grams (g)**.
- _____ is the amount of space an object takes up. It is measured in **litres (l)**

Density is the amount of _____ contained in a given _____.

_____ is the ability an object has to float or sink in liquid or air. It depends on density. An object floats if its density is _____ than the density of the liquid or the air.

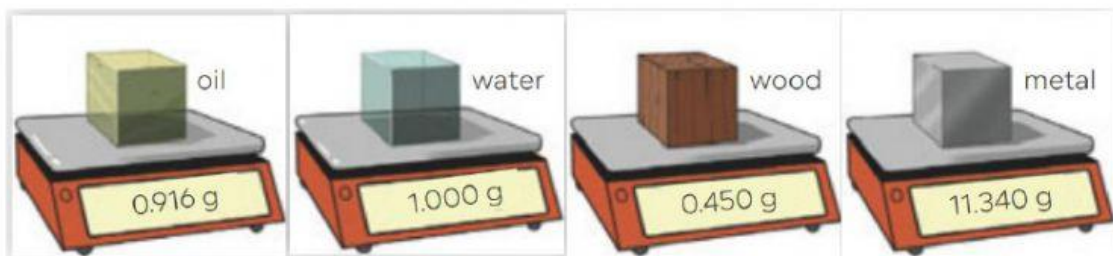
2. Complete:



When two substances have the same mass, the substance which has a bigger volume is _____.

When two substances have the same volume, the substance with the biggest mass is _____.

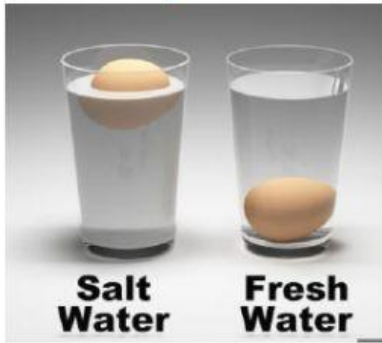
3. Look at the images and say if the sentences are true or false.



- A. They have the same mass.
- B. They have the same volume.
- C. They have the same density.
- D. The masses are different.
- E. The volumes are different.
- F. They have different densities.

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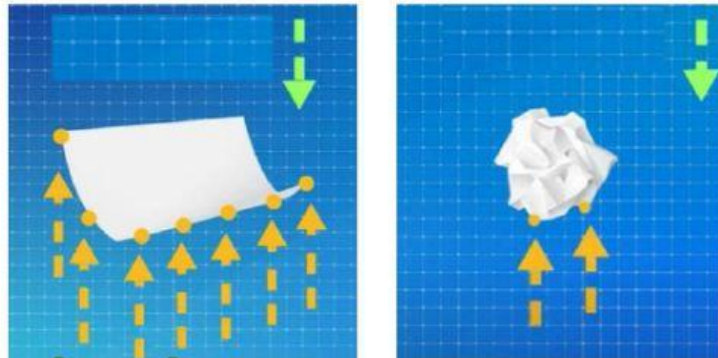
4. Look and explain:



The egg _____ in salty water because salty water is _____ than the egg.

The egg _____ in fresh water because fresh water is _____ than the egg.

5. Complete:



Two **forces** act on a falling object: _____ (weight) and _____, which is the frictional force of the air on the object.

The mass of an object does not influence the speed of fall, it is _____, that means the air pushing against an object, that affects how fast objects fall: the more _____, the more friction area there is, and the _____ the object falls.

Well done!

