

## UNIT 6: PROPERTIES MATTER

### 1. Complete

General properties of matter are \_\_\_\_\_.

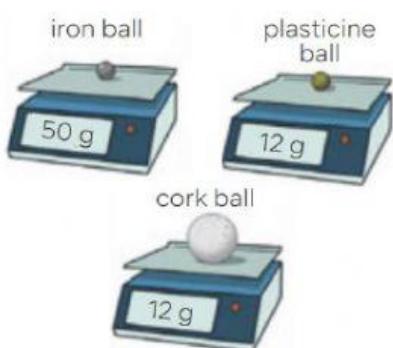
- \_\_\_\_\_ is the amount of matter that an object has. It is measured in kilograms (kg) and grams (g).

is the amount of space an object takes up. It is measured in litres (l).

**Density** is the amount of matter 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.

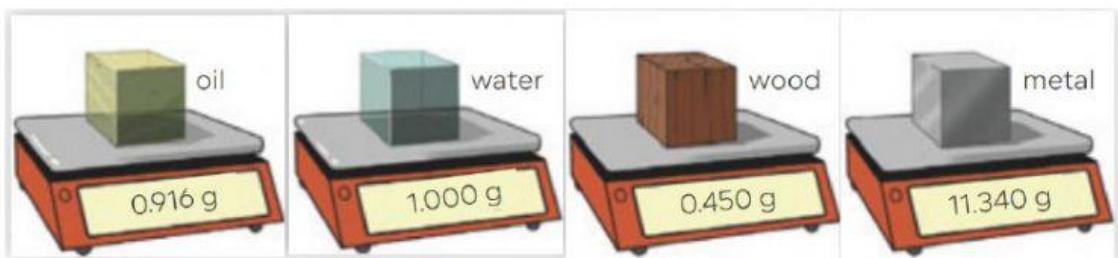
## 2. Complete:



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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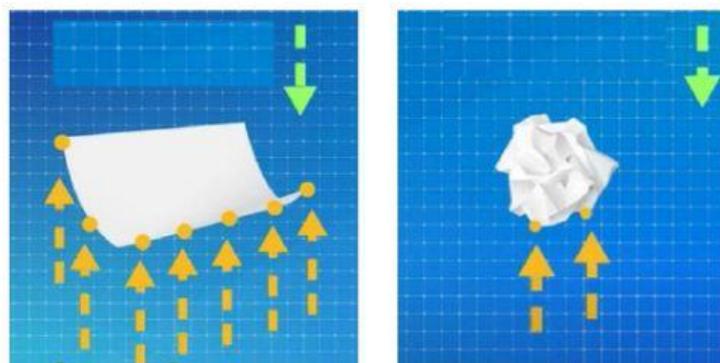
### 4. Look and explain:



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!

