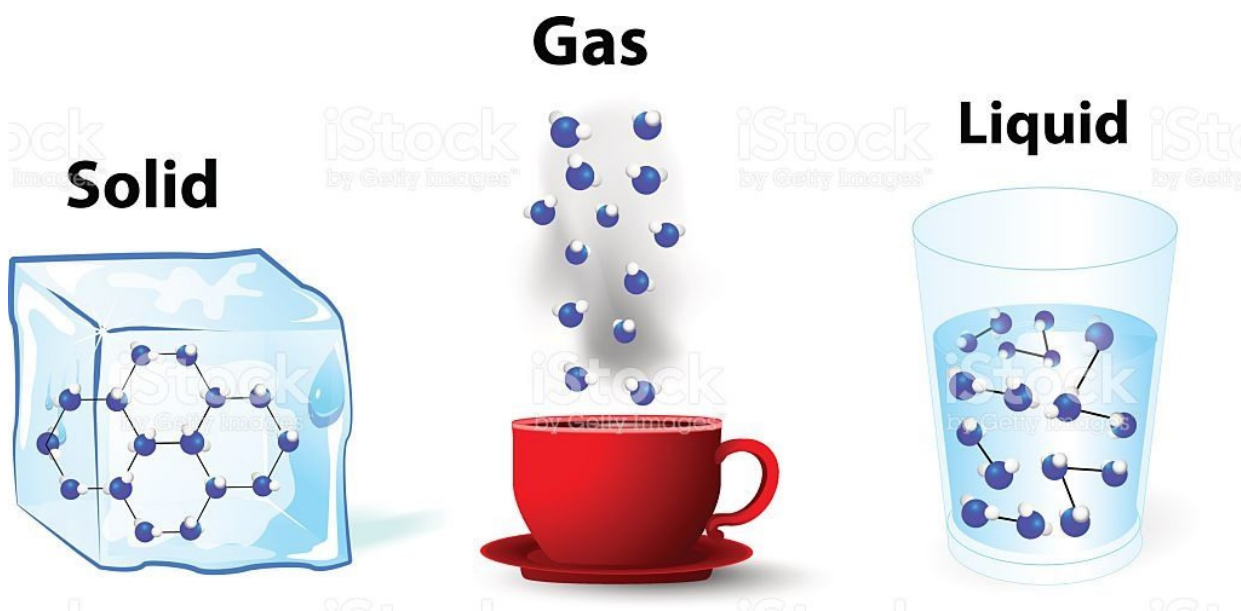


PHYSICAL PROPERTIES

The three states of matter have different properties even though they are made up of atoms, molecules and /or ions. The behaviour of each differs. These physical properties are based on colour, shape, size, volume, density, texture, odor, density, polarity, solubility, melting, and boiling point. You can observe the physical properties of matter. Thus, we can describe the matter.

What do you observe in the picture below?



Questions

1. QUESTION

What have you observed as the properties of a solid?



Name _____

Date _____

Select your answers from below.

- The solids have a definite shape.
- The solids have definite volume
- The solids have no definite shape or volume.
- The solids have higher density.
- The solids have low density, they are dispersed about.
- The solids move about quickly.
- The solids assume the volume of the container holding it.
- Mix quickly to form a homogeneous mixture.
- Constant motion exerts pressure of force.

2. QUESTION

What have you observed as the properties of a gas?



Select your answers from below.

- Gases have low density as they disperse across a given volume.
- The gases have definite volume
- Gases have no definite shape or volume.
- Gases contract to assume the volume of the container holding them.
- Gases can take the shape of a cup.
- Gases mix quickly to form a homogeneous mixture.
- Gases are compressible.
- The constant motion of gases places pressure or force on the container.

Name _____

Date _____

3. QUESTION

What have you observed as the properties of a liquid?



Select your answers from below.

- Liquids are not compressible. It moves.
- Liquids have a fixed shape and volume.
- Liquids have fixed volume, but no fixed shape.
- Liquids can flow from higher to lower level.
- Liquids expand and contract.
- Liquids can boil. The boiling point is above room temperature.
- Liquids cannot change state.

4. QUESTION

Which two state of matter are closer together and can be referred to as condensed phases?

- gases solids liquids

Name _____

Date _____

5. QUESTION

Complete the following table by adding the names of the materials from the list that have the properties listed.

LIST: aluminium | gold | paper | plastic | stainless steel

Property	Materials
Strong	
flexible	
conducts electricity	
conducts heat	