Learn about MATTER with this power point and complete the sentences below:



- 1. Matter is anything that has and takes up and
- 2. Matter is made up of tiny particles called

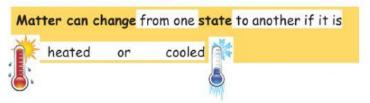








- 3. Matter can be found in three different states: SOLID,, and GAS.
- 4. The particles in are close together and vibrate in place. For this reason: A solid has definite shape and definite
- 5. The particles in are not as close as the particles in solids and move more freely than particles of solids. For this reason: Liquids have a definite Liquids take the of their container. Liquids can be poured from one container to another.
- 6. The particles in move freely in all directions. For this reason:
 Gases have no definite size or shape. A gas will fill all the inside a container.



Physical properties of a material are qualities that can be detected using our five senses or a measuring device.

Match the following physical properties with their definitions:

Flexibility

It is the ability of one substance to dissolve into another substance.

Hardness

It is the ability to **bend** without breaking and return to its original shape after bending.

Solubility

It is the ability to scratch or resist being scratched by other materials.

Magnetism

It is the ability of a material to return to its original size and shape after being stretched.

Transparency

It is the ability of a material to be attracted to a magnet.

Elasticity

It describes how well **light passes through** a material.

Texture

It is the property that describes how the surface of a substance feels.

Electrical conductivity

It is the ability of a material to conduct heat.

Thermal conductivity

It is the ability of a material to conduct electricity.