

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

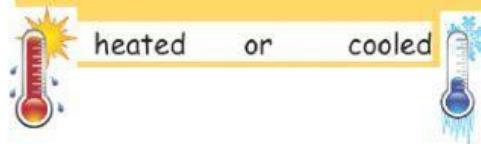


1. **Matter** is anything that has ..... and takes up .....
2. Matter is made up of tiny **particles** called .....



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.

Matter can change from one state to another if it is



7. When **energy is added** to solids, they can turn into ..... This is called: **MELTING**  
When **energy is added** to liquids, they can turn into gases. This is called .....
- When a gas **is cooled**, it can turn into a liquid. This is called .....
- When a liquid **is cooled**, it can turn into solid. This is called .....

**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**.