



# 105. Properties of Materials

Ten A4 Posters describing the properties of materials (to encourage children to talk about and describe a variety of materials)

A **hard material** has a shape that doesn't change if you push or pull on it.



A **soft material** changes its shape if you push or pull at it.

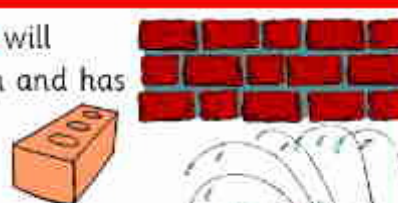


**LOW QUALITY SAMPLES**

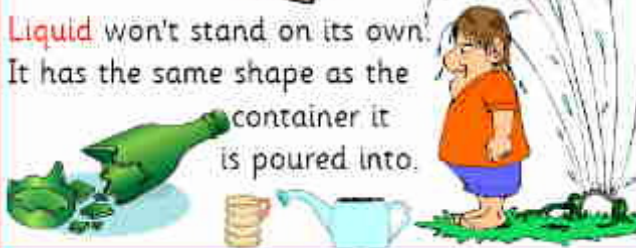
Could be used on an investigation table/corner.

1. Solid and liquid
2. Hard and soft
3. Shiny surface and dull surface
4. Transparent and opaque
5. Floats and sinks
6. Man-made and natural
7. Magnetic and non-magnetic
8. Conductor and insulator (electricity)
9. Conductor of heat
10. Insulator (heat)


A **solid material** will stand on its own and has its own shape.




**Liquid** won't stand on its own. It has the same shape as the container it is poured into.



If a material is attracted to a magnet it is **magnetic**.



If it is **not** attracted to a magnet it is **non-magnetic**.



A **shiny surface** reflects a lot of light. Usually you can see yourself in a very shiny surface.



A **dull surface** doesn't reflect much light so you can't see yourself reflected in it.



Materials that are made by people and machines are called **man-made** materials.



If a material is not man-made, it is a **natural** material.

