

## Properties of materials

Materials have different \_\_\_\_\_. When people make objects, they need to make sure that the material is safe and \_\_\_\_\_ for use.

### Strength

how much it can be pulled apart or pressed together without \_\_\_\_\_.

### Solubility

Substances that dissolve in water are \_\_\_\_\_ while substances that do not dissolve in water are \_\_\_\_\_.

### Flexibility

how much a material can be \_\_\_\_\_ without breaking.



### Hardness

how easily a material can be \_\_\_\_\_ or \_\_\_\_\_.

The hardest known naturally occurring material is \_\_\_\_\_.



### Floating or sinking

Some materials, such as cork, stay on \_\_\_\_\_ of water, or float. Other materials, such as rock, \_\_\_\_\_ to the bottom of water, or sink.