

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 _____.

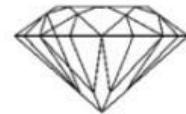
Flexibility

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.