

Transparent
or
opaque

Waterproof

Absorbant

Strong

Weak

Flexible

Rigid

Hard

Magnetic

Conductors

Insulators

TEACHER RESOURCE:

Transparent or opaque

Transparent materials do let light through (you can see through them). Opaque materials do not let any light through (you cannot see through them).



Waterproof

Waterproof materials do not let water through and do not soak up water.



Absorbant

Absorbent materials soak up water and let water pass through them.



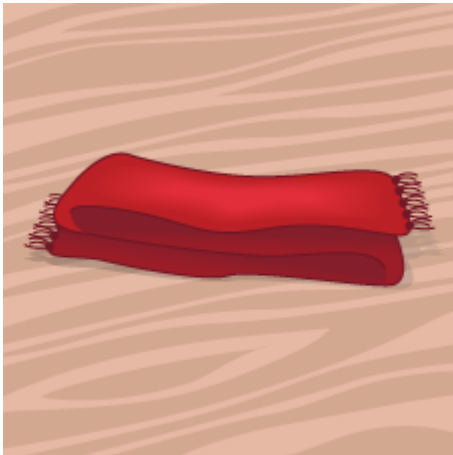
Strong or weak

Strong materials are very difficult to break. Weak materials break easily.



Flexible

Flexible materials are easy to bend.



Rigid

Rigid materials are difficult to bend.



Hard

Hard materials are difficult to scratch.



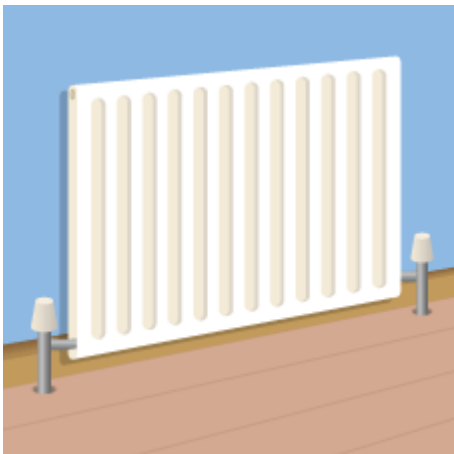
Magnetic

Magnetic materials are attracted to magnets.



Conductors

Some materials are good conductors of **heat**. This means heat can travel through them easily.
Some materials are good conductors of **electricity**. This means electricity can travel through them easily.



Insulators

Some materials are insulators of heat. This means they do not allow heat to travel through them very easily. Some materials are insulators of electricity. This means that electricity cannot travel through them.



Adapted from:

BBC. (2014). KS2 Bitesize: Material Properties. Retrieved May 1, 2016 from http://www.bbc.co.uk/bitesize/ks2/science/materials/material_properties/read/2/.