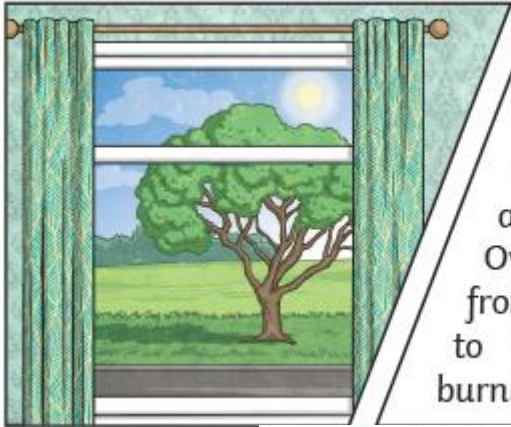


Science
 Knowledge Organiser
 Properties of Materials

Different **materials** are used for particular jobs based on their properties: **electrical conductivity, flexibility, hardness, insulators, magnetism, solubility, thermal conductivity, transparency.**



For example, glass is used for windows because it is hard and **transparent**. Oven gloves are made from a thermal **insulator** to keep the heat from burning your hand.



- natural
- man-made
- properties
- conductors
- insulators
- dissolving
- melting
- soluble
- insoluble
- filtering
- evaporating
- condensing
- irreversible
- chemical
- changes
- react



solid

The **solid** melts.



liquid

The **liquid** freezes.



liquid

The **gas** condenses.



gas

The **liquid** evaporates.



solid particles



liquid particles



gas particles