







**What should I already know?**

- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- Distinguish between an object and the material from which it is made

General vocabulary	
<b>Material</b>	A substance used to make things
<b>Property</b>	A characteristic of something
<b>Transparent</b>	A material that allows light to pass through so that objects behind can be seen clearly.
<b>Opaque</b>	A material which does not allow light to pass through so objects behind can't be seen
<b>Translucent</b>	An object or substance which allows some light to pass through.
Properties of different materials	
<b>wood</b>	strong, opaque, stiff and hard
<b>Plastic bag</b>	bendy, smooth, translucent, stretchy
<b>glass</b>	Transparent, hard, smooth, waterproof
<b>brick</b>	rough, strong, opaque, dull
<b>paper</b>	Translucent, flexible, not waterproof
<b>cardboard</b>	rough, dull, opaque, not waterproof
<b>Tinfoil</b>	shiny, bendy, waterproof, opaque

How solids can be changed	
Squash	
Bend	
Twist	
Stretch	

**What is recycling ?**



Man-made- Something made by people

Natural- Something made by nature.

# Natural and Man-Made Materials

## Natural Materials



chalk



sand



organic oil



leather



iron



gold



cotton



coal



wood

## Man-Made Materials



concrete



glass



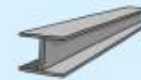
nylon



paper



synthetic rubber



steel



plastic



rayon



polyester

## Cool



Some materials change when they are cooled.

## Heat



Heating makes materials hotter. Ice will melt when it is heated.

## Melt



Some materials will melt when they are heated.

## Freeze



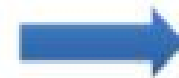
When we freeze water, we make it cold enough to change from a liquid into a solid.

## Boil



When we boil water, we heat it until it bubbles and creates steam.

## Toast



When we toast bread, we heat it until it becomes brown and crispy.