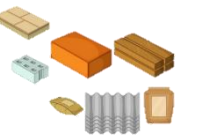
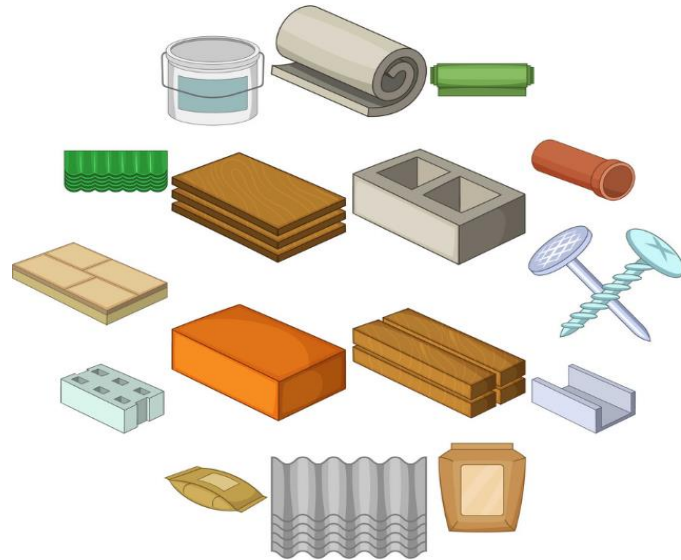


# EVERYDAY MATERIALS

## KNOWLEDGE ORGANISER



### Overview



- Materials are the substances that things are made from.
- We use lots of different materials every day, e.g. metal, plastic, wood, and glass.
- Different materials have different physical properties, which make them useful for different things.
- Some materials are used to make many things.

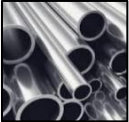
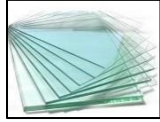



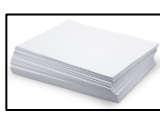
### What are Objects Made From?

Have a look around your house/ classroom and investigate what objects are made from. Often (but not always) objects are made from the materials shown below:









- Tables, chairs, desks, benches and book cases are often made from wood.
- Keys, taps, screws, nails, saucepans and radiators are often made from metal.
- Windows, mirrors and drinking glasses are often made from glass.
- Bins, toys, food packaging and shopping bags are often made from plastic.
- Diaries, planners, exercise books and posters are often made from paper.

### Types of Materials

 <p><b>Metal</b></p> <ul style="list-style-type: none"> <li>- Metals are made from rocks.</li> <li>- Metal is strong and shiny.</li> <li>- Metals include aluminum, iron and steel.</li> </ul>	 <p><b>Glass</b></p> <ul style="list-style-type: none"> <li>- Glass is made from fine sand.</li> <li>- Glass is very strong and clear (transparent).</li> <li>- Glass is used for windows and glasses.</li> </ul>
 <p><b>Wood</b></p> <ul style="list-style-type: none"> <li>- Wood is made from trees.</li> <li>- Wood is a hard and strong material.</li> <li>- Woods include oak, pine and ash.</li> </ul>	 <p><b>Plastic</b></p> <ul style="list-style-type: none"> <li>- Plastics can be made from lots of different materials.</li> <li>- Plastic can be tough or bendy, and so it is used for many different purposes.</li> </ul>
 <p><b>Water</b></p> <ul style="list-style-type: none"> <li>- Water is a natural material, found all over the world.</li> <li>- Water is clear and can take many shapes. It can be frozen into ice or heated into gas.</li> </ul>	 <p><b>Paper</b></p> <ul style="list-style-type: none"> <li>- Paper is made from trees.</li> <li>- Paper is normally thin and can be made into different shapes. Lots of different things are made from paper.</li> </ul>

### Properties of Materials

<p><b>soft</b></p> <p>not firm to the touch</p>  <p>The kitten has soft fur.</p>	<p><b>smooth</b></p> <p>an even and regular surface</p>  <p>Some smooth pebbles.</p>	<p><b>shiny</b></p> <p>reflects light, smooth surface</p>  <p>A shiny silver spoon.</p>
<p><b>hard</b></p> <p>not easily broken or pierced</p>  <p>A hard diamond.</p>	<p><b>rough</b></p> <p>uneven, irregular surface</p>  <p>The log has rough bark.</p>	<p><b>bumpy</b></p> <p>uneven, raised patches</p>  <p>This shell is bumpy.</p>

### Soft Materials

Wool    Fabric    Cotton    Polystyrene    Paper    Rubber

### Hard Materials

Plastic    Glass    Wood    Concrete    Metal    Diamond