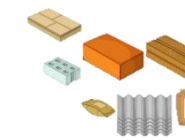
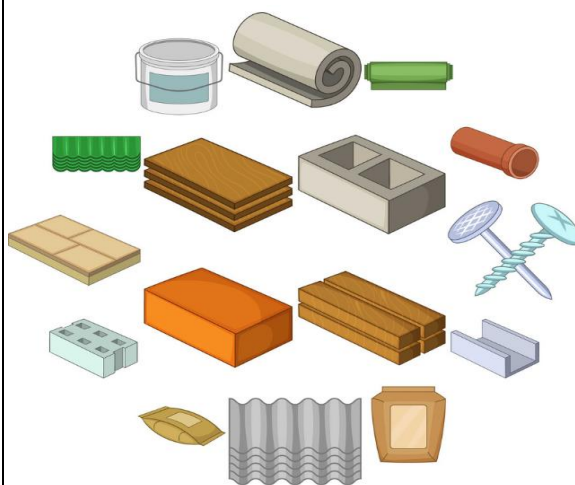


EVERYDAY MATERIALS

KNOWLEDGE ORGANISER

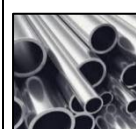


Overview



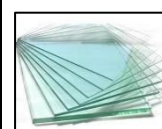
- Materials are the substances that things are made from.
- We use lots of different materials every day, e.g. metal, plastic, wood, and glass.
- Composites are made from two or more materials together.
- Different materials have different physical properties, which make them useful for different things.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

Types of Materials



Metal

- Metals are made from rocks.
- Metal is strong and shiny.
- Metals include aluminum, iron and steel.



Glass

- Glass is made from fine sand.
- Glass is very strong and clear (transparent).
- Glass is used for windows and glasses.



Wood

- Wood is made from trees.
- Wood is a hard and strong material.
- Woods include oak, pine and ash.



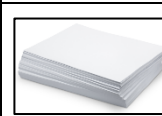
Plastic

- Plastics can be made from lots of different materials.
- Plastic can be tough or bendy, and so it is used for many different purposes.



Water

- Water is a natural material, found all over the world.
- Water is clear and can take many shapes. It can be frozen into ice or heated into gas.



Paper

- Paper is made from trees.
- Paper is normally thin and can be made into different shapes. Lots of different things are made from paper.

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.

Composites



- A composite is a material that is made from two or more different materials.
- Composites are often made because they are stronger, lighter, or less expensive than other materials.
- For example, concrete is made out of water, cement, and either rock, sand or

Soft Materials

wool fabric cotton polystyrene paper rubber

Hard Materials

plastic glass wood concrete metal diamond