

CHAPTER 05

Materials and Things

Kids! Look at the pictures carefully.



These are different objects right!

What these objects are made of?

Can you guess?

These objects are made from glass.



These objects are made from _____.

Wood right!



These objects are made from Plastic.

What is an object?

An object is a thing that is made of one or more material. For instance:



A spoon is an object and it is made of metal.



Your basket is an object and it is made of plastic.



Your school uniform is an object and it is made of fabric.

Now can you guess from which the following objects are made from?

Activity-1: Finding the materials used to make different objects

S.no	Object	Material
1	Door	Wood, metal, rubber
2	Towel	Fabric, dyes
3	Bicycle	Metal, plastic, rubber, glass
4	Knife	Metal, plastic
5	Mirror	Glass, plastic
6	Shoes	Leather, fabric
7	Water bottle	Plastic
8	Pot	Mud

There are many objects in our surroundings such as chairs, tables, cycles, bullock carts, utensils, clothes, stones, etc. We see

that different objects are made of different materials. Some objects are made of more than one material.



What objects you can see in the above picture?

Glass doors right!

What materials do you think these objects are made from?

These objects are made from materials like glass and wood.



What material is this pencil sharpener is made from?

Is it made from one material?

It is made from two materials like metal and plastic.

What are materials?

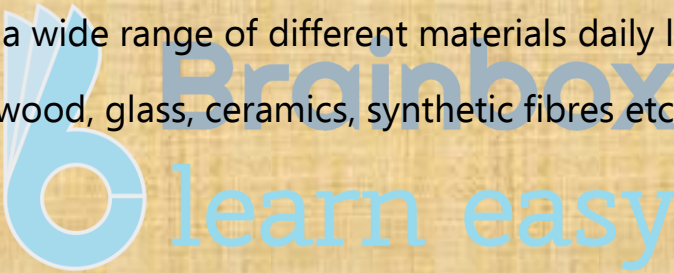
Materials are the substances from which something is made.

Objects and everyday structures are made up of different materials to serve a specific purpose.

The properties of the materials help to serve its purpose.

Each object is used for a special purpose. We use different materials for different purposes based on their properties to make objects.

We use a wide range of different materials daily like metal, plastic, wood, glass, ceramics, synthetic fibres etc.





Your school chair is made of plastic and metal. The metal and plastic are hard materials to keep you from falling. School can be a messy place. Plastic is easy to clean and it dries quickly.

Imagine if your school chair is made of fabric. What happens?



Windows are made of glass. Glass is easy to clean. It keeps the rain and snow from coming inside our house. It is also transparent. We can see through it.

Imagine if your window is made of wood or even fabric.



These snow pants are made of fabric so it is flexible for you to put on. It keeps you warm and protective.

Imagine if your track pants are made of metal. Can you wear it?



Activity -2: Finding the objects made from different materials

S.no	Material	Things/Objects
1	Metal	Utensils, bicycles, keys, machines
2	Plastic	Baskets, bags, dustbins, chairs
3	Glass	Mirrors, windows, spectacles, TV, computer screens, oven doors
4	Wood	Table, chairs, doors, windows, ladders, boxes
5	Cotton	Textiles, tents, fishing nets, socks, book binding
6	Leather	Gloves, shoes, bags, seating furniture
7	Ceramic	Crockery, pots, idols
8	Rock	Idols, pumice stones, chalk, motor and pestle.

Some materials maybe more suitable than others for particular uses or for manufacturing specific objects; for example, metal

shoes would not be very comfortable and a cardboard door would not be very strong!

