

Heat:

Heat is from energy forms and it transfers from body that has higher temperature to the body that has lower temperature.

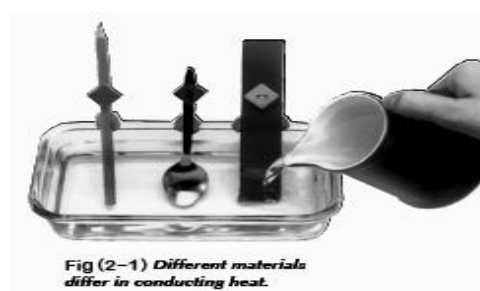
The temperature:

It is the degree of hotness or coldness of a body, and we use thermometer to measure the temperature.

➤ **Activity:** (discover the conductors and insulators of heat)

➤ steps:

- (1) Fix the ruler, spoon and pencil at the edge of dish by clay.
- (2) Fix buttons on the ruler, spoon and pencil by using molten wax.
- (3) Pour hot water in the dish, but don't make it reaches to the edge of dish.
- (4) In which rod the button falls or not?

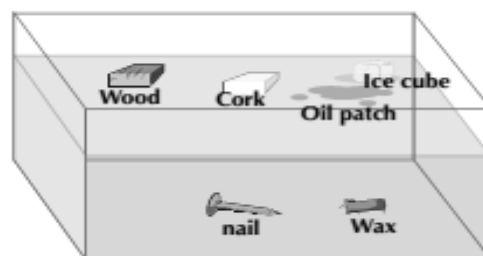


➤ Activity:

Put the following substances in a bowl filled with water as shown:

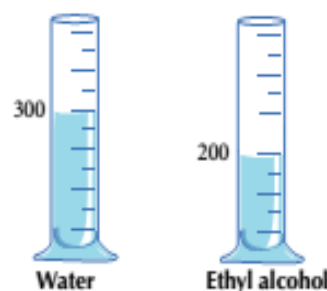
A piece of metal, an iron nail, an ice cube, a piece of wood and drops of food oil.

Which one float on water surface? Or sink?



➤ Activity:

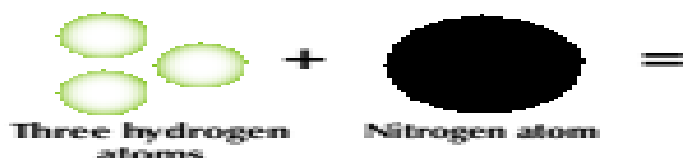
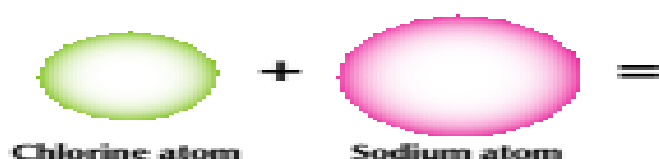
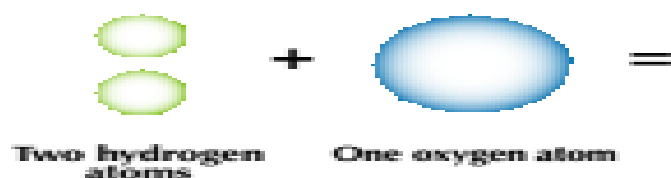
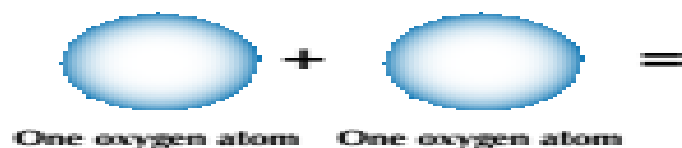
Add 200 cm^3 from ethyl alcohol to 300 cm^3 of water in a measuring cylinder, then their volume is
(400 cm^3 - 500 cm^3 - 450 cm^3)



➤ **Activity:** Which one represent solid , liquid or gas?



➤ Activity: Draw molecule of each substance?



➤ Activity:

Device	Used energy	Produced energy
Electric heater		
Simple electric cell		
electric lamp		
radio cassette		
Sewing machine		
Torch		
Television		
Alarm clock		
Washing machine		