

Vigyan Prayog

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Aim: To make a weather chart

Materials Required:-

1. A Bottle
2. Some Water
3. Sticking Tape
4. A Tray
5. Marker

Method:-

First put the water in the tray and bottle. Remember the cap should not in the bottle. Keep your palm in the bottle cap's place. Turn it by 180 degrees. Keep your palm out and quickly keep the bottle in the tray. The cap side should be in below. Take some sticking tape and draw three figures in top, middle and bottom and stick the tape.

The figure in top

Middle

Bottom

When water level comes in the top figure = weather is hot.

When water level comes in the middle figure = weather is rainy.

When water level comes in the bottom figure = weather is cold.

Aim: To know how our lungs work

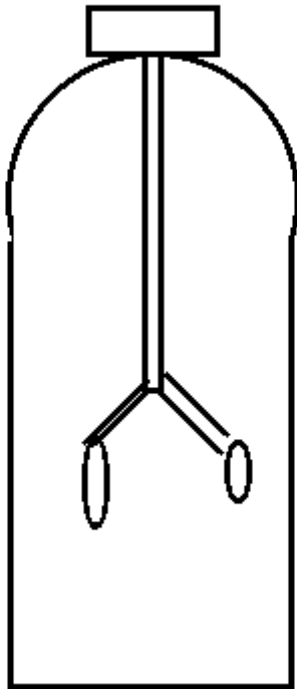
Materials Required:-

1. Balloons
2. Bottle
3. Splitter
4. A Big Balloon
5. A Straw

Method:-

Cut the bottom of the bottle. Then put the straw in the bottle. Seal it. Join the splitter in it. Put 2 balloons in the two remaining holes of the splitter. Cut a big balloon from bottom. Take the upper part of the balloon and stretch. Put it like this

And pull it downward you will see that the balloons will blow.



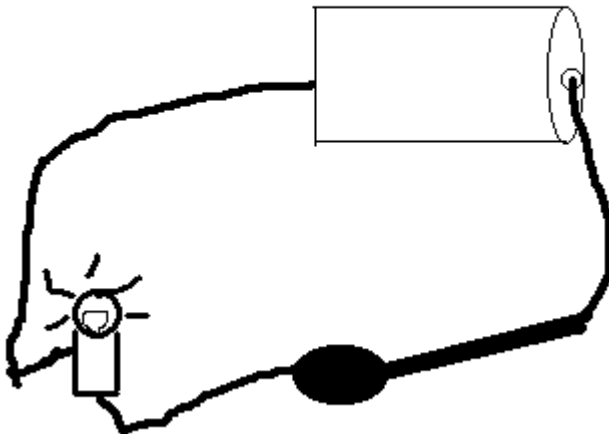
Aim: good and bad conductors of electricity

Materials Required:-

1. 1 Volt Battery
2. 1 Volt Bulb
3. Battery Mounting
4. Copper Spoon
5. Gold Spoon
6. Plastic Spoon
7. Wires
8. Wooden Spoon

Method:-

Put the battery in the battery mounting. Connect 2 wires from battery mounting, one positive one negative. Connect negative wire from bulb. Connect positive with one end of copper spoon. Connect second end of the copper spoon with the bulb's second end. You will see that the bulb is glowing. Do it same with gold, wooden and plastic spoons. You will see with wooden and plastic spoon the bulb is not glowing. With copper and gold spoon the bulb is glowing.



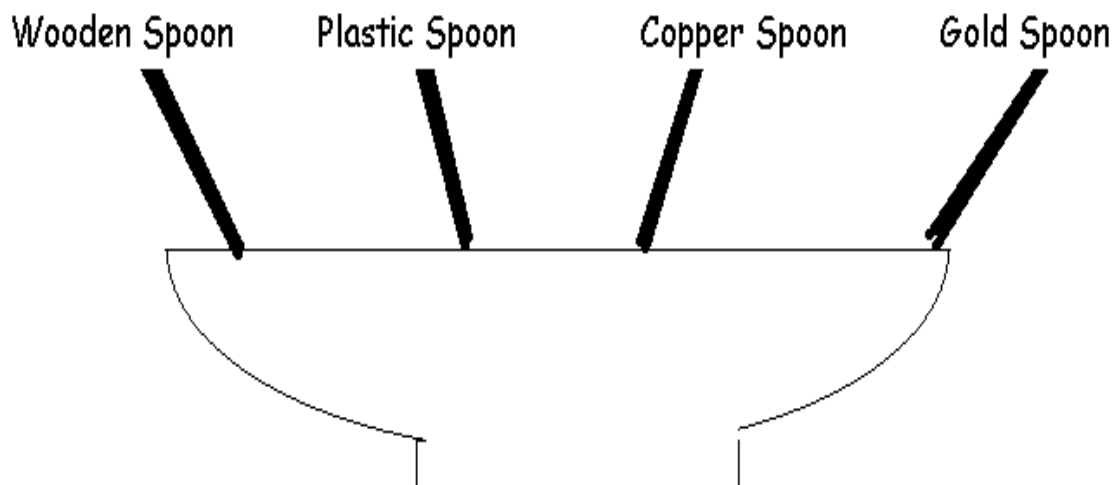
Aim: Good and bad conductors of heat

Materials Required:-

1. Gold Spoon
2. Copper Spoon
3. Wooden Spoon
4. Plastic Spoon
5. Boiling Hot Water
6. A Big Bowl

Method:-

Fill the bowl with boiling hot water. Place the spoons in it. Wait for 1 minute. Touch each of the spoons. You will notice that the gold spoon is very hot. Copper spoon is normally hot. Plastic and wooden spoons are 0% hot.



Observation:- Plastic and wooden spoons are bad conductors of heat.
Copper and gold spoons are good conductors of heat.

Aim: To know the primary colours.

Materials Required:-

1. Mirror
2. Water
3. Direct Sunlight
4. Tray

Method:-

Put the water in the tray. Put the mirror in the water. Put the tray in direct sunlight. You will see that the reflection of the sunlight has primary colors RED, BLUE and YELLOW.

