

Revision : 2

Q. 1 What to do to protect sensory organs like eye, nose, ear and skin ?

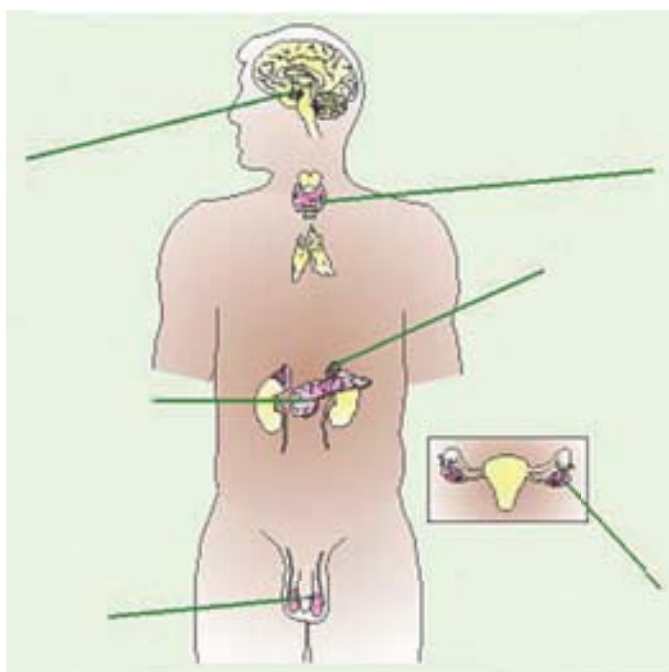
Q. 2 With the help of sensory organs, which senses you feel in your day to day life ? Prepare a list.

Q. 3 What you will do to save energy in routine life ? Prepare a list.

Q. 4 Where we use plastic in routine life ? Prepare a list.

Q. 5 Where we see the phenomenon of reflection in day to day life ?

Q. 6 Show the positions of different hormonal glands and write their work.



No.	Name of gland	Work

- Q. 7** Write the importance of organs given in the following table and what care you should take about those ? Note.

No.	Name of organ	Importance	What care you should take ?
1	Brain		
2	Spine		
3	Eye		
4	Nose		
5	Ear		
6	Tongue		
7	Skin		

- Q. 8** Note down the activities done in Science forum related to the chapter you learned.



Let's Do Activities

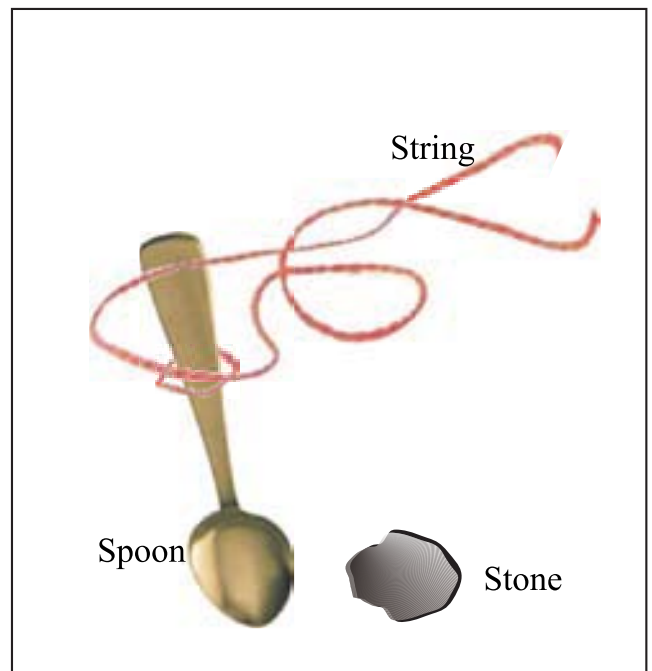
Activity : 1

Make a bell ring using spoon.

What is required ? Spoon of metal, thread of wool and stone.

What to do ?

- ⇒ First take a metal spoon.
- ⇒ Tie a spoon at the middle of the wool thread.
- ⇒ Wound both the ends of thread on the first finger of both the hands and put fingers in the ears.
- ⇒ Say anybody to strike the stone at Spoon.



Observation :

- When stone strike the spoon the sound like bell ring of temple is heard.
- If stone is collided very slowly so that any other person can't hear the sound, then also the person with thread in the ears can easily hear it.

Theoretical Explanation :

- Propagation of sound waves in dense medium is fast.
- The solid object like thread propagate sound more easily compare to air.
- So the person with thread can hear low sound clearly.

Activity : 2**Make air jack**

What is required ? One thick straw, empty milk-bag and thread.

What to do ?

⇒ Tie the straw with thread at the cut part of milk-bag.

⇒ Now, place 5 to 7 books on that bag.

⇒ Blow air through straw in the bag. Air will be filled in bag, Slowly books will be lifted.

Theoretical Explanation :

- Air-pressure.
- Pressure increased in the bag due to air filled.
- On this principle big air-jack works.

Activity : 3**Make Doctor's stethoscope**

What is required ? Transparent plastic tube (approximate of 2 foot) and filter of plastic.

What to do ?

⇒ Join the plastic tube at the narrow end of plastic filter.

⇒ Place the filter end on your heart other end on the ear.

Observation :

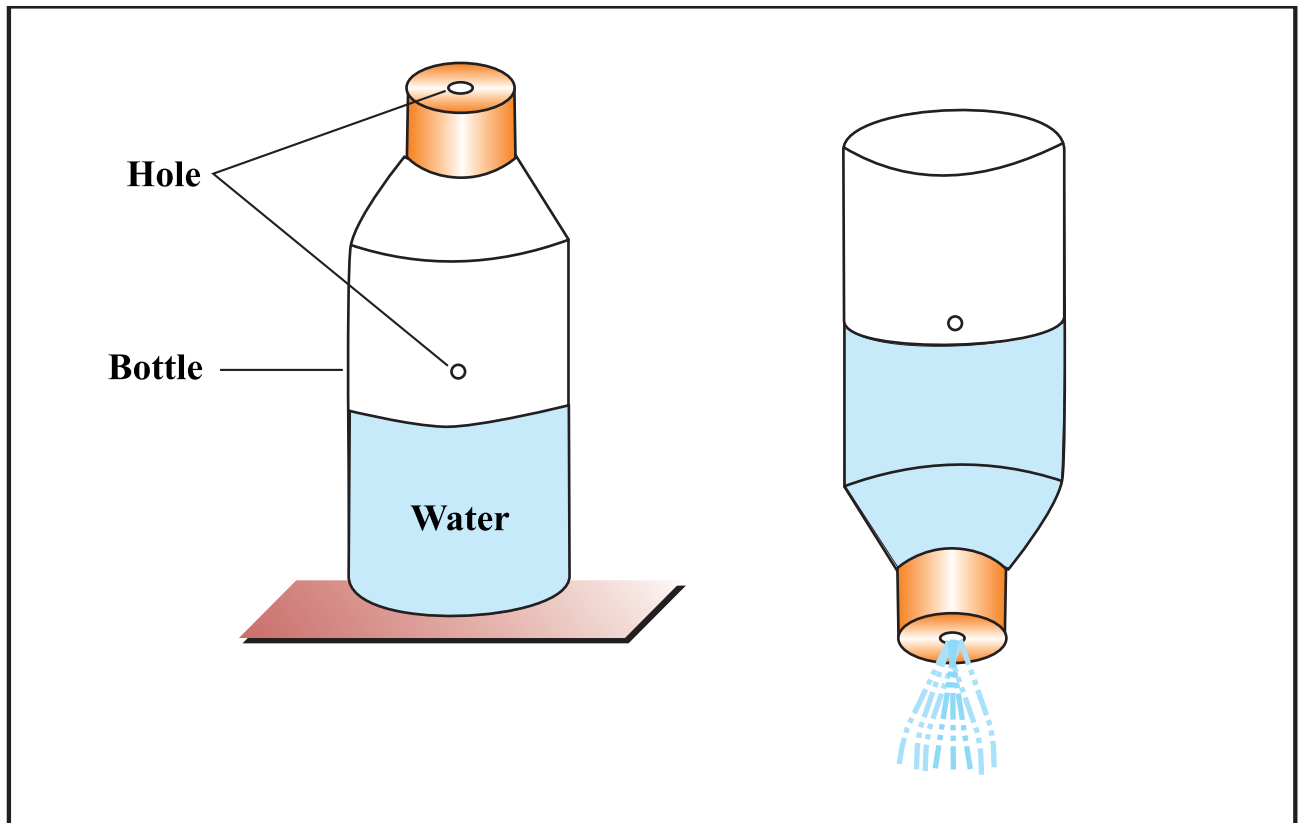
⇒ Beats are heard in ear.

Theoretical Explanation :

- Sound waves converges from the broad part of filter and propagate in one direction so beats can be heard clearly.
- Here medium is air.

Activity : 4**What is required ?**

Empty water bottle, needle or pin and water.

**What to do ?**

- ⇒ Take a water bottle of narrow mouth.
- ⇒ Make hole on it's lead as shown in the figure.
- ⇒ Now, make a hole at height three inch from the bottom.
- ⇒ Fill the water up to below the hole.
- ⇒ Close the bottle.



- Invert the bottle and observe water.

- Place your thumb or finger on the hole and press it. What happened ? Note your observation.

Think :

- Why this happened ?

Note :

Heartbeats of healthy person are 72 to 75 per minute. Now, after running 50 meter if you hear the heartbeats then you observe are increased. Because of the stress on the body heartbeats increase.



My Special Note

You can make such experiments / activities by yourself. With the help of your teacher or parents make two such activities and note down.

Activity : 1



Activity : 2

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