

## Class Notes

**Class: VI**

**Topic: Chapter – 13  
“Fun with Magnets”**

**Subject: Science**

### **MULTIPLE CHOICE QUESTIONS (To be written in science note copy)**

**1. Which of these are nonmagnetic?**

**A. Copper**

**B. Iron**

**C. Nickel**

**D. Cobalt**

**Answer - A. Copper**

**2. Choose the natural magnets-**

**A. Iron**

**B. Alnico**

**C. Magnetite**

**D. Nickel**

**Answer - C. Magnetite**

**3. A magnet is used in a-**

**A. Bulb**

**B. Cell**

**C. switch**

**D. Compass**

**Answer - D. Compass`**

**4. The south pole of a compass needle points towards the earth's**

**A. Geographical north**

**B. Geographical south**

**C. Magnetic south**

**D. None of these**

**Answer - B. Geographical south**

**5. A freely suspended magnet always aligns in-**

**A. East-West direction**

**B. North South direction**

**C. Both A & B**

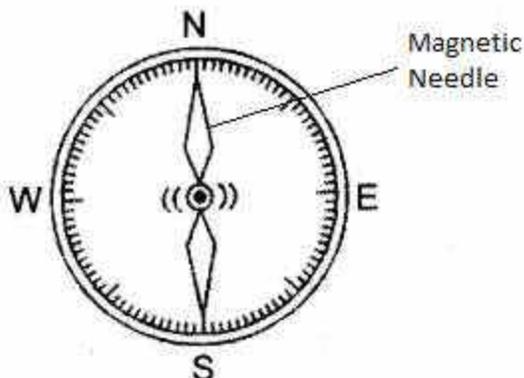
**D. None of these**

**Answer - B. North South direction**

### **Extra Questions (To be written in science note copy)**

**1. Describe a compass with diagram?**

**Answer** – A compass is usually a small box with a glass cover on it. A magnetized needle is pivoted inside the box, which can rotate freely with direction marked on it.



2. What are the magnetic materials? Give examples.

**Answer**- Materials attracted towards the magnet are called magnetic material. Examples are iron, nickel, cobalt.

3. Where are the most iron filings attracted by magnet?

**Answer** – Most of iron filings gets attracted towards the two ends of the magnet i.e. the poles of the magnet north and south pole.

4. What precaution should one take while dealing with magnets?

**Answer** – Following precaution should one take while dealing with magnets-

A) Magnet loses their property if they are heated, hammered or dropped from some height repeatedly.

B) Magnet becomes weak if they are not stored properly.

C) To keep them safe bar magnets should be kept in pairs with their unlike poles on the same side.

D) They must be separated by a piece of wood while two pieces of soft iron should be placed across their ends.

E) Keep magnets away from cassettes, mobile, television, music system, CD's and computer.

5. How can you make your own compass?

**Answer** - Firstly, take a cork, a magnetised needle and a sticker which shows all the directions. Now, press the needle through the cork. Float the cork in the jar filled with water. When the cork comes to rest, mark the position of north and south. Now stick the sticker exactly at the place where north-south is marked on the cork. This is the home-made magnetic compass which is now ready to be used.

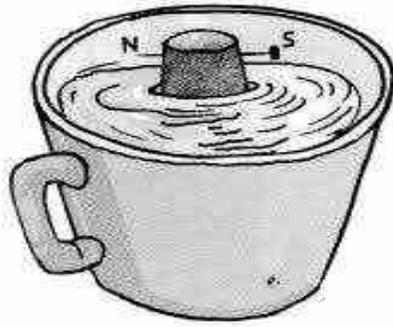


Fig. A compass in a cup

## CHAPTER -14

### WATER

**(To be written in science note copy)**

**Q1** What do you mean by rain water harvesting?

**Answer** - The process of collecting and storing rain water in containers for future use is called rain water harvesting. It is done by two ways-

A) It is done by roof top rainwater harvesting system.

B) By making drains along the road side to flow rain water.

**Q2** Draw the diagram of roof top rain water harvesting systems.

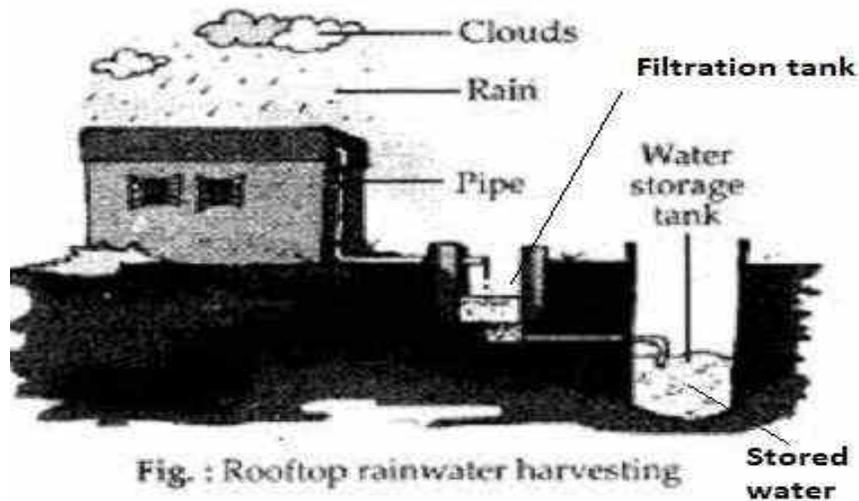


Fig : Rooftop rainwater harvesting

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