Chapter-4

Worksheet-2

Section 1

Q1. It was observed that a pencil sharpener gets attracted by both the poles of a magnet although its body is made of plastic. Name a material that might have been used to make some part of it.

Q2. A bar magnet has no markings to indicate its poles. How would you find out near which end is its north pole located?

Q3. How can we make a compass in a cup? Explain.

Q4. What happens when N-pole of a magnet is brought near the N-pole of a suspended magnet?

Q5. Write two methods by which a magnet can be demagnetized.

Q6. Few iron nails and screws got mixed with the wooden shavings while a carpenter was working with them. How can you help him in getting the nails and screws back from the scrap without wasting his time in searching with his hands?

Q7. It is said that repulsion is a sure test for magnetism. Why is it so?

Q8. A given bar magnet was broken into pieces. Where will be its North and South pole?

Q9. Show that a magnet has two poles. What are the properties of the poles of a magnet?

Q10. You are given two rods. Out of these, one is an iron rod and the other one is magnet, how will you identify these rods?

Section 2

Q11. Which of these is non-Magnetic?

a) Wood
b) Iron
c) Steel
d) Nickel

Q12. A Magnet has _____ Poles

a) 2
b) 3
c) 4
d) 5

Q13. Magnets have a shape

a) Cylindrical
b) Ball ended
c) Horse shoe
d) All of the above

Q14. When a bar magnet is brought near iron dust, most of the dust sticks

a) Near the middle
b) Equally everywhere
c) Near two ends
d) At the middle and the ends

Q15. Attraction is seen between the poles of two bar magnets in the case of

a) N-pole of one magnet with N-pole of other
b) N-pole of one magnet with S-pole of other
c) S-pole of one magnet with S-pole of other
d) all of these cases will show attraction

Q16. Choose the wrong statement

a) Heat can demagnetize a magnet.
b) Magnets are made up of different material and different shapes.
c) There is a maximum attraction in middle of the magnet.
d) Magnetite does not show magnetic properties.

Q17. The magnetic properties of a magnet cannot be destroyed by

a) hammering
b) heating
c) dropping on a hard surface
d) Putting it in water

Q18. Magnets attract

a) Wood
b) Iron
c) Paper
d) Elastic

Q19. Similar poles of two magnets _____ one another.

a) Attract
b) Repel
c) Overlaps
d) Sticks to

Q20. Stickers with pieces of magnet inside them easily stick to _____ surfaces like the doors of refrigerator.

a) Plastic
b) Iron
c) Wooden
d) Ceramic