

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