



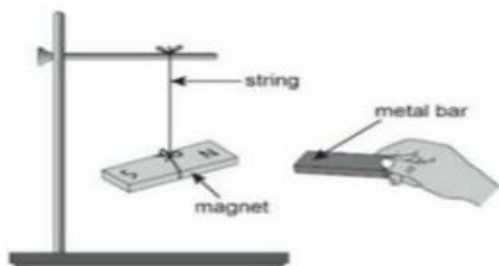
INDIAN SCHOOL NIZWA - WORKSHEET

Science Chapter – 4. Exploring Magnets

Name: _____ Date: _____ Class: VI Sec: ____

I) Choose the correct answer from the given options.

1. Carefully observe the activity performed by Ramesh, as shown in the picture.



	bar 1	bar 2	bar 3	bar 4
Does the magnet move towards the bar?	no	yes	yes	no

What does Ramesh's activity show?

- (a) Bar 1 is made of iron
(b) Bar 3 is made of silver
(c) Bar 2 is made of nickel
(d) Bar 4 is made of cobalt
2. A mixture contains sand and iron dust. How can the iron dust be separated from sand?
- (a) Spread the mixture and run a magnet all over it.
(b) Sieve the mixture using a strainer.
(c) Pour water into the mixture and then filter it
(d) Blow air over the mixture
3. When a bar magnet is brought near iron dust, most of the dust sticks:
- (a) Near the middle of the magnet
(b) Equally on all parts of the magnet
(c) Near the two ends of the magnet
(d) At the middle end of the magnet
4. What is a magnetic compass used for?
- (a) Finding directions
(b) Measuring weight
(c) Telling time
(d) Measuring temperature
5. What kind of magnets were used by sailors in the olden days?
- (a) Artificial directions
(b) Lodestones
(c) Electromagnets
(d) Temporary magnets
6. What happens when like poles of two magnets are brought close together?
- (a) They attract each other
(b) They repel each other
(c) They rotate
(d) None of these



INDIAN SCHOOL NIZWA - WORKSHEET

II) Fill in the Blanks.

7. The poles of a magnet are where the -----_force is strongest.
8. A freely suspended magnet comes to rest along the ----- direction

III) State True or False.

9. All materials are magnetic material -
10. Heat can destroy magnetic properties of a magnet -
11. Magnetic materials are attracted to a magnet -

IV) Match the following.

- | | | | |
|-----|------|------------------|-----------------------------------|
| 12. | i) | Magnetic poles | (a) Uses magnet |
| 13. | ii) | Lodestones | (b) Attract each other |
| | iii) | Unlike poles | (c) A navigational tool |
| | iv) | Electric bell | (d) Natural magnet |
| | v) | Magnetic compass | (e) Regions of maximum attraction |

V) Give Reason.

14. Why do you think the iron filings stick more to the ends (poles) of the magnet rather than the middle?

15. Why freely suspended magnet rests along the north-south direction?

16. Shyam is a carpenter. While working, a few iron nails and screws got mixed with the wooden shavings. How can you help him in getting the nails and screws back from the scrap without wasting his time searching with his hands?

VI) Give One-Word Answers

17. Device used to find direction -
18. Loss of magnetism over the time -
19. Materials that gets attracted towards the magnet -
20. The end of the magnet that points towards north direction –