



# PHYSICS

## NCERT - NCERT Physics(HINGLISH)

### FUN WITH MAGNETS

#### Questions

1. Artificial magnets are made in different shapes such as \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.



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2. The Materials which are attracted towards a magnet are called\_\_\_\_\_.



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3. Paper is not a \_\_\_\_\_ material.



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4. In olden days, sailors used to find direction by suspending a piece of \_\_\_\_\_.



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5. A magnet always has \_\_\_\_\_ poles

A. 5

B. 1

C. 4

D. None of the above

**Answer: D**



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**6.** State whether the following statements are true or false

A cylindrical magnet has only one pole.



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**7.** State whether the following statements are true or false

Artificial magnets were discovered in Greece.



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**8.** State whether the following statements are true or false

Similar poles of a magnet repel each other.



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**9.** State whether the following statements are true or false

Maximum iron filings stick in the middle of a bar magnet when it is brought near them.



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**10.** State whether the following statements are true or false

Bar magnets always point towards North-South direction



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**11.** State whether the following statements are true or false

A compass can be used to find East-West direction at any place.



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**12.** State whether the following statements are true or false

Rubber is a magnetic material.



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**13.** 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.



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**14.** Column I shows different positions in which one pole of a magnet is placed near that of the other. Column II indicates the



## resulting Acids

Column I	Column II
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N-N	_____
N-_____	Attraction
S-N	_____
_____ -S	Repulsion



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**15.** Write any two properties of a magnet.





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**16.** Where are poles of a bar magnet located?



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



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**18.** You are given an iron strip. How will you make it into a magnet?



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**19.** How is a compass used to find directions?



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**20.** A magnet was brought from different directions towards a toy boat that has been

floating in water in a tub. Affect observed in each case is stated in

Column I. Possible reasons for the observed affects are mentioned in

Column II. Match the statements given in Column I with those in Column II

Column I	Column II
Boat gets attracted towards the magnet	Boat is fitted with a magnet with north pole towards its head

Boat is not affected by the magnet	Boat is fitted with a magnet with South pole towards its head.
Boat moves towards the magnet if North pole of the magnet is brought near its head.	Boat has a small magnet fixed along its length.
Boat moves away from the magnet when North pole is brought near its head.	Boat is made of magnetic material.
Boat floats without changing its direction.	Boat is made up of non-magnetic material.



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