

Fun with magnets

MCQs

(1) When a magnet is suspended freely it always aligns itself in ----- direction?

- a) North
- b) N-S
- c) N-W
- d) N-E

(2) ----- is the only natural magnet.

- a) Magnetite
- b) Ebonite
- c) Cobalt
- d) Nickel

(3) Which of the following cannot be used to make a magnet?

- a) Cobalt
- b) Iron
- c) Ebonite
- d) Steel

(4) Which of the following is not a non-magnetic substance?

- a) Glass
- b) Wood
- c) China ware
- d) Nickel

5) Which of the following gets attracted to a magnet?

- a) Copy book
- b) Silver spoon
- c) Comb
- d) Common pins

(6) When a magnet is placed on a plastic plate with common pins spread on it, then -----

- a) Pins stick all around the magnet
- b) Pins stick at the middle of the magnet
- c) Pins stick at the ends of the magnet
- d) None

(7) The North end of the freely suspended magnet points towards geographical -----?

- a) North
- b) South
- c) East
- d) West

(8) like poles of magnets ----- each other.

- a) Attract
- b) Repel
- c) Both a and b
- d) None

(9) Unlike poles of magnets ----- each other.

- a) Attract
- b) Repel
- c) Both a and b
- d) None

(10) ----- is the surest test of magnetism.

- a) Attraction
- b) Rotation
- c) Repulsion
- d) None

(11) When a N pole of a bar magnet is brought near the north pole of a freely suspended magnetic needle, then it -----?

- a) Attracts
- b) Repels
- c) It rotates
- d) None

(12) When a S pole a magnet in brought near the N pole of a freely suspended magnetic needle, then it -----?

- a) None
- b) Repels
- c) It rotates
- d) Attracts

(13) _____ is a device used by pilots and navigators used to find the direction.

- a) barometer
- b) thermometer
- c) magnetic compass
- d) none

(14) Magnetism of a magnet is lost by doing which of the following acts

- a) Keeping in a box
- b) Heating
- c) Hammering
- d) Both b and c

(15) Which of the following gets demagnetised when a powerful magnet is kept near it

- a) Plastic ruler
- b) Compact disc
- c) Glass tumbler
- d) Wood

(16) Which of the following does not get demagnetised when a powerful magnet is kept near it

- a) CD
- b) music system
- c) Cell phone
- d) Comb

(17) electric bell is an example of _____ magnet.

- a) Bar magnet
- b) Cylindrical magnet
- c) Electromagnet
- d) Horseshoe magnet

(18) _____ type of magnet is used in cranes to lift heavy containers from ships.

- a) Bar magnet
- b) Cylindrical magnet
- c) Electromagnet
- d) Horseshoe magnet

(19) The nerves in our body transmits messages as _____

- a) Electrical impulses
- b) Radio waves
- c) Electromagnetic waves
- d) None