



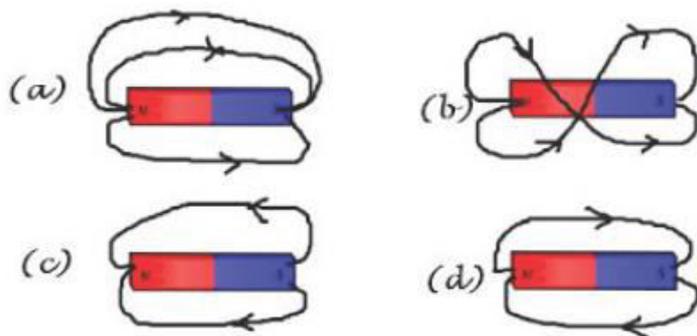
RAMAGYA SCHOOL, NOIDA
X/SCIENCE/2017-18
OLYMPIAD PRACTICE WORKSHEET

Tick the correct options :

- Q 1. The two poles in a magnet have
(a) Equal pole strength. (b) Unequal pole strength.
(c) can be same or different (d) None of these
- Q 2. A magnet AB is broken into two pieces. What is the polarity of A, B, C and D?



- (a) A, D: North & B,C: South (b) A, B: North & C,D: South
(c) A, C: North & B,D: South (d) A, D: South & B,C: North
- Q 3. Magnetic field lines:
(a) form closed curves (b) cannot intersect
(c) are crowded near poles (d) All of these
- Q 4. The correct field lines are:



- Q 5. Who had first observed the magnetic effect of an electric current first ?
(a) Faraday (b) Oersted (c) Volta (d) Ampere
- Q 6. Which of the following is the best electrical conductor?
(a) Gold (b) Silver (c) Copper (d) Aluminium
- Q 7. Which of the following is NOT True for metals?
(a) Generally metals are malleable. (b) Metals are good conductors of heat.
(c) Metals are electronegative by nature. (d) Metals displace hydrogen gas from dilute acids.
- Q 8. In general the number of electrons in the outermost shell of a metal atom is
(a) 1 (b) 1 to 3 (c) 5 to 8 (d) 8
- Q 9. Bauxite is an ore of which metal
(a) iron (b) aluminium (c) copper (d) tin
- Q 10. Which of the following pairs will give displacement reactions?
(a) NaCl solution and copper metal (b) MgCl₂ solution and aluminium metal
(c) FeSO₄ solution and silver metal (d) AgNO₃ solution and copper metal.
- Q 11. The plant hormone which is essential for cell division is:
(a) Auxin (b) Cytokinin (c) Ethylene (d) Gibberellin

- Q 12. The gap between two neurons is called _____
(a) Synapse (b) Axon (c) Synthesise (d) Dendron
- Q 13. A potted plant is kept in a room. It starts to bend towards the direction of light. This type of movement is known as
(a) Photographism (b) Photoperiodism (c) Phototropism (d) Photocynism
- Q 14. Tropic movements are
(a) in response to light (b) in response to gravity
(c) nondirectional (d) unidirectional
- Q 15. _____ is a growth inhibitor hormone in plants
(a) Auxin (b) Cytokinin (c) Absciscic acid (d) Gibberellic acid
- Q 16. In a chess tournament each of six players will play every other player exactly once. How many matches will be played during the tournament?
(a) 12 (b) 15 (c) 30 (d) 36
- Q 17. Reena is twice as old as Sunita. Three years ago, she was three times as old as Sunita. How old is Reena now?
(a) 6 years (b) 12 years (c) 14 years (d) 16 years
- Q 18. A shepherd had 27 sheep. All but 10 died. How many he left with?
(a) 10 (b) 15 (c) 17 (d) 27
- Q 19. Fear : Threat :: Anger : ?
(a) Compulsion (b) Panic (c) Provocation (d) Force
- Q 20. Peacock: India :: Bear : ?
(a) Russia (b) England (c) Australia (d) America
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