

CBSE Class 10 Science Worksheet

1. Fill in the blanks: Number of covalent bonds in butane are_____.
2. How are winds currents created in the atmosphere?
3. Which metal does not liberate hydrogen from acids but reacts with oxygen to give a black colour product?
 - A) Sodium
 - B) Copper
 - C) Calcium
 - D) Aluminium
4. Choose the correct answer: Among the following items (i) wood (ii) paper (iii) Bakelite (iv) PVC non – biodegradable wastes is/are
 - A) Only (iii)
 - B) (i) and (iii)
 - C) (ii) and (iv)
 - D) (iii) and (iv)
5. Why is hydrogen considered as a cleaner fuel than CNG?
6. Choose the correct option: The change in focal length of an eye lens is caused by the action of the _____.
 - A) Pupil
 - B) Ciliary muscles
 - C) Iris
 - D) Retina
7. Fill in the blanks: Power of a convex lens is _____ .
8. Fill in the blanks: Organisms which obtain food from other organisms are called _____.
9. State True or False: During photosynthesis, oxidation of carbon to carbon dioxide occurs.
 - A) TRUE
 - B) FALSE

10. Which of the following is not an oxidising agent?
- A) Oxygen
 - B) Hydrogen
 - C) Chlorine
 - D) Sulphuric acid
11. Which of the following areas is preferred for solar power plants?
- A) Coastal areas
 - B) Mountain areas
 - C) Hot arid zones
 - D) High rain fall zones
12. State TRUE/FALSE: ABC is a right-angled prism with AC being the longest side. A light ray enters through AC at right angles and hits AB, reflects and then goes out through BC. Then, this prism is an isosceles prism.
- A) true
 - B) 0
13. Choose the correct answer: The process which helps in the artificial removal of wastes from the body is called_____.
- A) Transplantation
 - B) Dialysis
 - C) Pacemaking
 - D) Transfusion
14. Choose the correct answer: Algal bloom results in_____.
- A) Global warming
 - B) Eutrophication
 - C) Biomagnification
 - D) None of these
15. How much energy is given to each Coulomb of charge passing through 5V cell?
- A) 2.5J
 - B) 5J
 - C) 10J
 - D) 15J

16. Choose the correct answer: How much percentage of a forest is good for ecological balance?
- A) 45%
 - B) 33%
 - C) 25%
 - D) 50%
17. Fill in the blanks: _____ is produced when crops, vegetable wastes etc., decompose in the absence of oxygen.
18. Fill in the blanks: _____ is used to detect small electric current in the circuit.
19. Write two limitations of Newlands' Law of Octaves.
20. Write four natural ecosystems.

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Answers

- 13
- Uneven heating of land by the Sun which creates a pressure gradient in the atmosphere.
- Option B
- Option D
- The burning of hydrogen releases water whereas burning of CNG produces carbon dioxide.
- Option B
- Positive
- Parasites
- Option B
- Option B
- Option C
- Option B
- Option B
- Option B
- Option B
- Option B
- Gobar gas
- Galvanometer
- (a) It is applicable only up to calcium. It was not applicable to elements of higher atomic masses. (b) Position of hydrogen along with fluorine and chlorine was not justified on the basis of chemical properties
- Pond, desert, forest, ocean