

Chemistry questions

1. The energy, found in dry cell is-

शुष्क कोशिका में पाई जाने वाली ऊर्जा है

- (a) Mechanic
- (b) Electric
- (c) Chemical
- (d) Electromagnetic

Sol.c. The best example of changing into electric energy from chemical energy is primary cells or batteries, the dry cell is also made up in this phenomenon.

2. A pungent smell often present near the urinals is due to-

- (a) Sulphur-di-oxide
- (b) Chlorine
- (c) Ammonia
- (d) Urea

ANS C a pungent smell is often present near the urinals is due to presence of ammonia

3. Which chemical substance is used for making rat poison?

- (a) Ethyl Alcohol
- (b) Methyl Isocyanate
- (c) Potassium Cyanide
- (d) Ethyl Isocyanide

Ans.(c) Sol. Potassium Cyanide (KCN) or Zinc Phosphide is a highly toxic chemical used as a rodenticide a poison to kill the mouse.

4. Which gas is used in fire extinguisher?

- (a) Carbon dioxide
- (b) Hydrogen

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(c) Oxygen

(d) Sulphur dioxide

Ans.(a) Carbon dioxide gas is used in a fire extinguisher to control small fires, often in emergency situations.

5.Which one of the following is used in the manufacture of soaps?

(a) Vegetable oil

(b) Mobil oil

(c) Kerosene oil

(d) Cutting oil

ANS(a) Soap is a combination of animal fat or plant oil and caustic soda. Many vegetable fats including olive oil, palm kernel oil and coconut oil are also used in soap making.

6.Milk openly placed for sometime becomes sour due to-

(a) Carbonic acid

(b) Lactic acid

(c) Citric acid

(d) Acetic acid

Ans b.Milk contains a sugar called lactose. It also contains harmless bacteria called lactobacillus, which uses glucose for energy and creates lactic acid as a by-product. It is the lactic acid which makes the milk sour. The presence of lactic acid or lactate in milk is due to the fermentation of lactose caused mainly by lactic bacteria.

7.Which one of the following gases, released from biogas plant is used as a fuel gas?

(a) Butane

(b) Propane

(c) Methane

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(d) Ethane

ANSc. Methane is the principal gas in biogas. It is also the main component of natural gas, a fossil fuel, can be used to replace natural gas in many applications including cooking, heating, steam production, etc

8. Which of the following is a fossil fuel?

(a) Alcohol

(b) Ether

(c) Water gas

(d) Natural gas

ANSd. Fossil fuels, including coal, oil and natural gas are currently the world's primary energy sources.

9. The word 'insolation' means—

(a) Matters which insulates

(b) Incoming solar radiation

(c) Insoluble matters

(d) None of these

b. The amount of solar radiation reaching a given area.

10. A body is charged negatively. It implies that-

(a) it has lost some of its protons

(b) it has acquired some electrons from outside

(c) it has lost some of its electrons

(d) None of the above

ANS(c) Atoms are neutral. When an atom loses electron, it becomes positively charged and when an atom gains electron,

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