

Class X GSO Sample paper

- 1 In Photosynthetic process, atmospheric carbon di oxide is _ _ _ _ _ to carbohydrates
- a. Reduced
 - b. Oxidised
 - c. Neutralised
 - d. Burnt
2. Which of the following reaction will give rise to a gas that burns with a pop sound
- a. $\text{Fe} + \text{HCl}$
 - b. $\text{FeSO}_4 + \text{HCl}$
 - c. $\text{CaCO}_3 + \text{HCl}$
 - d. $\text{NH}_3 + \text{H}_2\text{O}$
- 3 When water enters the guard cells the stomata
- a. Opens
 - b. Closes
 - c. Open or closes
 - d. No effects
- 4 You can detect a leakage in the LPG cylinder used for cooking very soon, because :
- a. Gases diffuses very fast
 - b. Gases make a sound when leaking
 - c. LPG causes headache
 - d. LPG dull brown in color
- 5 The resistivity of a copper wire depends only on which following factor?
- a. length
 - b. Temperature
 - c. Thickness
 - d. Area of cross section
- 6 On seeing good food our mouth waters. This fluid is actually
- a. Water
 - b. Hormone
 - c. Enzymes
 - d. None of the above

- 7 The cgs unit of work is:
- a. joule
 - b. Watt
 - c. Dyne
 - d. Erg
- 8 The enzyme Pepsin is inactive in stomach without the presence of
- a. Nitric acid
 - b. Butyric acid
 - c. Acetic acid
 - d. HCl
- 9 Which of the following is used for white washing in its aqueous state
- a. Milk of magnesia
 - b. Green vitriol
 - c. Blue vitriol
 - d. Quick lime
- 10 Which of the following is not a chemical change?
- a. Iodine pieces subliming to form iodine vapors
 - b. Water form H_2 and O_2 on passing electric current
 - c. Combination of H_2 and Cl_2 to form HCl
 - d. Hydrogen burns in air to form water
- 11 Villi present on the inner lining of the intestinal wall
- a. Decreases the surface area for absorption
 - b. Secretes hormones
 - c. Increases the surface area for absorption
 - d. Secretes enzymes for digestion
- 12 Which of the following will not change its state when some heat energy is supplied to it?
- a. Ice
 - b. Wood
 - c. Wax
 - d. Butter

- 13 The least distance of distinct vision for a young adult with normal vision is about:
- a. 25 cm
 - b. 2.5 m
 - c. 25 m
 - d. 2.5 cm
- 14 During cellular respiration one molecule of glucose is first broken down into two molecules of -----
- a. Pyruvic acid
 - b. Acetic acid
 - c. Lactic acid
 - d. None of the above
15. Which of the following is not true regarding the element Hg.
- a. It is a metal with luster
 - b. It is a non metallic liquid
 - c. It is a least reactive metal
 - d. It does not stick to glass