

**SUMMATIVE ASSESSMENT – SECOND TERM****SCIENCE****Max. Marks: 60****Std - VI****Time: 2 Hrs****I. Choose the correct answer:****12 x 1 = 12**

1. Heat energy causes \_\_\_\_\_
  - a) expansion
  - b) change of state
  - c) chemical change
  - d) all
2. Heat energy flows from \_\_\_\_\_ body to \_\_\_\_\_ body.
  - a) cold, hot
  - b) hot, hot
  - c) cold, cold
  - d) hot, cold
3. Rubber is \_\_\_\_\_
  - a) an insulator
  - b) a conductor
  - c) a magnet
  - d) an electricity-producing material
4. Beating of the heart is a \_\_\_\_\_
  - a) fast, periodic
  - b) slow, non-periodic
  - c) fast, non-periodic
  - d) both a and c
5. Melting of a chocolate is a \_\_\_\_\_
  - a) reversible
  - b) reversible, chemical change
  - c) irreversible
  - d) none of these
6. \_\_\_\_\_ is the percentage of nitrogen in air.
  - a) 78%
  - b) 21%
  - c) 0.03%
  - d) 1%
7. The instrument that we use to see very small objects is called a \_\_\_\_\_
  - a) microscope
  - b) telescope
  - c) plane mirror
  - d) none of these

8. Cell wall is present in \_\_\_\_\_ cell.  
 a) plant                      b) animal                      c) both a and b                      d) virus
9. The human body is mostly composed of \_\_\_\_\_  
 a) water                      b) minerals                      c) fat                      d) carbohydrate
10. Main organ of respiration in human body is \_\_\_\_\_  
 a) stomach                      b) spleen                      c) heart                      d) lungs
11. Circulatory system transports \_\_\_\_\_ throughout the body.  
 a) oxygen                      b) nutrient                      c) hormones                      d) ll of these
12. Breakdown of food into smaller molecules in our body is known as \_\_\_\_\_  
 a) muscle contraction                      b) respiration  
 c) digestion                      d) excretion

**II. Answer the following questions: (Any 14)**

**14 x 2 = 28**

13. Who am I?  
 i) I am used to measure the temperature of a human body.  
 ii) I am a natural source of heat energy for the earth.
14. Complete the following:  
 i) The material used to make heating coils is \_\_\_\_\_  
 ii) When vapour is cooled, it changes to \_\_\_\_\_
15. Match the following:  
 i) Heat                                      - Kelvin  
 ii) Thermal equilibrium                      - hot to cold  
 iii) Heat transfer                                      - no heat transfer  
 iv) Temperature                                      - Joule

16. Identify the odd one in each group; assign suitable reasons:

i) glass, wood, rubber band, iron nail

ii) room heater, electric fuse, geyser, electroplating

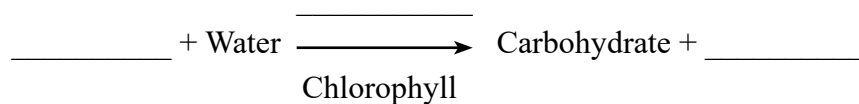
17. What is an electric circuit?

18. What are slow changes? Give two examples.

19. A paper is folded into a boat. Is this a reversible change? Why?

20. What is biosphere?

21. Complete the equation of photosynthesis.



22. Say whether the following statements are 'true' or 'false':

i) Cell wall is semi permeable.

ii) Vacuoles are bigger in animal cells.

23. Analogy:

i) Prokaryote : Cyanobacteria :: Eukaryote : \_\_\_\_\_

ii) Amoeba : unicellular :: Monkey : \_\_\_\_\_

24. Which is the outermost layer of an animal cell?

25. What are colourless plastids called?

26. Rearrange in the right order, the levels of organisation in the living world.

Organs, organ system, tissues, organism, cells

27. Identify the systems these organs belong to:

i) spinal cord, nerves, brain

ii) blood vessels, heart, blood

28. Which two systems are involved in movement and locomotion?

29. Which organ pumps blood to all parts of the body?

**III. Answer in detail:**

**4 x 5 = 20**

30. a) How are metal rims fixed to the wheels of bullock carts?

b) What are thermostats? How are they useful?

(or)

a) Classify the following into conductors and insulators:

sand, salt, match stick, glass tumbler, steel spoon, plastic, silver spoon, copper wire, mercury, leather, human body, air, table cloth.

b) Suggest ways to conserve electricity at home.

31. a) Differentiate between periodic and non-periodic changes.

b) Differentiate between physical and chemical changes.

(or)

a) Describe the apparatus used by Joseph Priestly that helped him in analysing the properties of air.

32. Lysosomes are known as suicide bags of the cell. Why?

(or)

Why do animal cells have a more elaborate and diverse cell structure when compared to the cells of a plant?

33. What is the nervous system made up of? Describe the two branches of the nervous system.

(or)

Define inspiration and expiration.