

## WORKSHEET

### CLASS- X

#### CHAPTER-1, Life Processes

##### A. Give reasons, why.

1. Transpiration is useful to plants.
2. Stomata in desert plants like cactus remain closed during the day.
3. There are other excretory products in plants than  $O_2$  and  $CO_2$ .
4. Double circulation of blood is necessary in human beings.
5. Gastric glands play an important role in digestion of food in humans.
6. Ventricles have thicker muscular walls.
7. More energy is released in aerobic respiration.

##### B. Pick the correct option.

1. Longer small intestine is found in
  - a. Carnivores
  - b. Herbivores
  - c. Parasites
  - d. Saprophytes
2. What makes chyme alkaline in the small intestine?
  - a. Bile juice secreted by liver
  - b. Pancreatic juice secreted by pancreas
  - c. Bicarbonate ions secreted by the oesophagus wall
  - d. Intestinal juice by jejunum and ileum
3. Rings of cartilage are present in
  - a. Oesophagus
  - b. Bile duct
  - c. Trachea
  - d. Small intestine
4. Pyruvate is a
  - a. 1 carbon molecule
  - b. 2 carbon molecule
  - c. 3 carbon molecule
  - d. 4 carbon molecule
5. The xylem in plants
  - a. Transport of water
  - b. Transport of food
  - c. Transport of amino acids
  - d. Transport of oxygen
6. The breakdown of pyruvate to give carbon dioxide, water and energy takes place  
in
  - a. Cytoplasm
  - b. Mitochondria
  - c. Chloroplast

- d. Nucleus
- 5 7. Which chamber of heart receives oxygenated blood from lungs?
- Left atrium
  - Right atrium
  - Left ventricle
  - Right ventricle
8. The first step of breakdown of glucose takes place in
- Nucleus
  - Mitochondria
  - Cytoplasm
  - Lysosomes
9. Bile juice stores in
- Liver
  - Pancreas
  - Gall bladder
  - None of these
10. The cup-shaped structure of a nephron is
- Collecting duct
  - Tubule
  - Glomerulus
  - Bowman's capsule

**C. Fill all the gaps.**

- The exit of the food from the stomach is regulated by a \_\_\_\_\_ which releases it in small amounts into the small intestine.
- Salivary amylase breaks down \_\_\_\_\_ which is a complex molecule to give \_\_\_\_\_.
- Grass eaters need a longer intestine to allow the \_\_\_\_\_ to be digested.
- The food coming from the stomach into the intestine is \_\_\_\_\_ and has to be made alkaline for the \_\_\_\_\_ enzyme to act.
- Small intestine receives secretions of the \_\_\_\_\_ and \_\_\_\_\_.
- Mode of nutrition in *Cuscuta* is \_\_\_\_\_.
- In artificial kidney, the dialysing fluid has the same \_\_\_\_\_ pressure.

**D. Give one word for.**

- Largest gland. \_\_\_\_\_.
- Part where HCl is produced. \_\_\_\_\_.
- Ventricular relaxation \_\_\_\_\_.
- Biological catalysts are called. \_\_\_\_\_.
- Feeding on solid food is called. \_\_\_\_\_.
- Internal energy reserve of animals. \_\_\_\_\_.
- Instrument to measure blood pressure. \_\_\_\_\_.