**SYMBIOSIS SCHOOL, NASHIK**

**STD : X TERM I (2020-21)**

**SUB : BIOLOGY REVISION WORKSHEET 1 ANSWERS MARKS : 15**

**L.NO. 6 LIFE PROCESSES**

**1x3=3**

1. Storage carbohydrates in plants is starch and in animals is glycogen.

2. Small intestine of herbivores is longer than that of carnivores so that cellulose present in

grass is digested.

3. Lining of throat contain rings of cartilage to ensure that air passage does not collapse.

**2x3=6**

4. Amount of urine produced depends on the amount of waste excreted and how much excess

water is present in body.

The excretory products in urine are urea and uric acid.

5. Water lost from leaves through transpiration creates a suction pull that help to transport water

and minerals from roots to the height in leaves.

6. The function of bile juice is :

i) It emulsifies the fats i.e break down larger fat molecules into smaller fat globules.

ii) It makes the medium alkaline for pancreatic enzymes to act.

**3x2=6**

7. i) Different organisms use different ways to break glucose to produce energy. In all the

organisms the first step is breakdown of glucose (6C) into two molecules of pyruvic acid (3C).

ii) In presence of oxygen, pyruvic acid is broken down to CO2 and H2O with release of energy.

Eg. Humans

iii) In absence of oxygen, pyruvic acid is broken down to CO2 and ethanol with release of energy.

Eg. Yeast

iv) In lack of oxygen, pyruvic acid is converted into lactic acid with release of energy.

Eg. Our muscle cells during heavy exercise

8. Double circulation is necessary in birds and mammals because:

i) The deoxygenated blood is sent to the lungs for oxygenation so that the tissues get only

oxygen rich blood.

ii) This is necessary to produce large amount of energy.

iii) Birds and mammals need more energy to maintain their body temperature constant.