



# KALPAVRUKSHA MODEL SCHOOL

## Answers Assignments- 5

**Class: VII**

**Sub: Biology**

**Date: 31.07.2021**

**Topic: Nutrition in animals**

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### **I. Answer the following questions:**

1. How many chambers does a ruminant have? Name them.

**Ans:** The stomach of a ruminant has four chambers: rumen, reticulum, omasum and abomasums.

2. Differentiate between the stomachs of human being and ruminants.

**Ans:**

S No	Human being	Ruminants
1.	The human digestive system has a single stomach.	Ruminants have a complex stomach with four different compartments

3. Why do cows need to chew the cud?

**Ans:** The cud is partially digested food which is brought back to the mouth for re-chewing because the rumen has billions of bacteria and protozoa, which break down the carbohydrate called cellulose found in hay and grass; hence cows need to chew the cud.

4. What do microorganisms in the rumen do?

**Ans:** The rumen has billions of bacteria and protozoa, which break down the carbohydrate called cellulose found in hay and grass.

5. Describe at least one function of each of the following.

**Ans: a. Liver:** The liver produces bile juice that helps in the digestion of fats.

**b. Saliva in the human beings:** It helps in breakdown of starch.

**c. Pancreas:** It produces pancreatic juice that helps in the breakdown of carbohydrates into sugars, proteins into amino acids, and fats into fatty acids and glycerol.