

**HOLIDAY HOMEWORK FOR SUMMER VACATION**

**SESSION 2019 -2020**

**CLASS IV**

**SUBJECT SCIENCE.**

**ASSIGNMENT # 1 #**

**M.M:40**

**Q1. Fill in the blanks with appropriate words :**

**1X5=5**

- a. The process of breaking down complex food material to simpler form is called \_\_\_\_\_.
- b. \_\_\_\_\_ is the largest organ of our body.
- c. We should drink at least \_\_\_\_\_ glasses of water every day.
- d. Carrot and radish are called \_\_\_\_\_ roots.
- e. Mangrove plants are found in \_\_\_\_\_ areas.

**Q2. Write TRUE or FALSE Against the following statements.**

**1x5=5**

- a. Roots help in soil conservation. \_\_\_\_\_
- b. Fibrous roots have a long main root with thin roots arising from it. \_\_\_\_\_
- c. Seeds are formed in leaves which rise to new plants. \_\_\_\_\_
- d. Unwashed fruits and vegetables have eggs of worms. \_\_\_\_\_
- e. The sides of a human tongue has a sweet taste. \_\_\_\_\_

**Q3. Rewrite the following sentences correctly.**

**1x5=5**

- a. The undigested semi solid wastes are collected in the small intestine.
- b. We should visit a veterinary doctor for regular dental check up.
- c. Canines are flat teeth used for cutting and biting the food.
- d. Roots support the plants and keep it upright.
- e. Banana plant has tap root.

**Q4. Write one word for the following.**

**1x5=5**

- a. A muscular bag like organ in the digestive system.
- b. Type of teeth used to tear food.
- c. An ailment where body tends to lose too much water.
- d. The air surrounding the earth.
- e. The digestive juice which make food soft in the mouth .

**Q5 Define the following.**

**2x2=4**

- a. Tap root
- b. Permanent teeth.

**Q 6. Draw and name two edible roots**

**2x2=4**

- What are aerial roots? Give two examples.
- How many salivary glands are present in our mouth ?What do they secrete?
- How many molars are present in our mouth ? What is their function.
- Name the different parts of a plant.
- What are supporting roots ?Give two examples of plants where you find supporting roots.
- What happens to the food when it enters the stomach ?

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**ASSIGNMENT # 2#**

**M.M-40**

**Q1. Fill in the blanks :**

**1x5=5**

- Digestion starts from the \_\_\_\_\_.
- The tongue is used for \_\_\_\_\_, licking and tasting.
- We must eat \_\_\_\_\_ rich food to get strong teeth.
- The eight grooved teeth next to the canine are called \_\_\_\_\_.
- \_\_\_\_\_ roots are found in cereals , grasses and bananas.

**Q2. Choose the correct answer from the given options :**

**1x5=5**

- Plants which give out breathing roots from the soil are called \_\_\_\_\_.  
(i) Banyan (ii) Maize (iii) Mangrove (iv) None of these.
- Peepal and pea plants have \_  
(i) Tap root (ii) Fibrous root (iii) Supporting roots (iv) Breathing roots.
- A child has about \_\_\_\_\_ teeth up to the age of three years .  
(i) 32 (ii) 22 (iii) 20 (iv) 42
- Absorption of water takes place in the \_\_\_\_\_.  
(i) Stomach (ii) Small intestine (iii) large intestine (iv) Rectum
- The walls of the stomach secretes \_\_\_\_\_which mixes with the food .  
(i) Water (ii) digestive juice (iii) Bile (iv) Pancreatic juice.

**Q 3 . Match the following :**

**1x6=6**

- |                                    |                                  |
|------------------------------------|----------------------------------|
| a. Unwashed fruits and vegetables. | (i) absorption of digested food. |
| b. Flat teeth                      | (ii) To grow a sprout            |
| c. Small intestine                 | (iii) Stores food                |
| d. Germination                     | (iv) sweet taste.                |
| e. Carrot and beetroot             | (v) eggs of worms                |

f. Tip of the tongue

(vi) Cutting and biting food

**Q4. Differentiate between :**

**2x2=4**

- a. Incisors and canines.                      b. Small intestine and large intestine.

**Q5. Define the following :**

**2x2=4**

- a. Edible roots                                      b. stomach

**Q6 . (i) Draw and name one aerial root which give support to plants (2)**

(ii) Draw and label the human dental structure. (4)

**Q7. Answer the following questions : (10)**

- a. Name any four fruits and vegetables which make our teeth strong. (2)  
b. How many pre molars are there in our dental structure ? What is their function ? (2)  
c. Which organs pour their digestive juices in the small intestine ?(2)  
d. Which component in plants help to prepare food and give green colour to the leaves ?(1)  
e. What type of special root is a beet root ?Why ? (3)

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**ASSIGNMENT # 3 #**

**M.M-40**

**Q1. Fill in the blanks:**

**1x5=5**

- a. Milk, milk products and eggs are \_\_\_\_\_ rich food.  
b. \_\_\_\_\_ help to bite and chew the food.  
c. An adult human being has \_\_\_\_\_ permanent teeth.  
d. Flies and insects can transfer \_\_\_\_\_ to uncovered Fruits and vegetables.  
e. The organs which can be seen from outside are called \_\_\_\_\_ organs.

**Q2. Write true or false :**

**1x5=5**

- a. We should wash our mouth after every meal. \_\_\_\_\_  
b. The outer layer of teeth is called enamel. \_\_\_\_\_  
c. Saliva converts soluble starch to insoluble sugar. \_\_\_\_\_.  
d. Roots fix the plant to the soil. \_\_\_\_\_  
e. Rose and beans have Fibrous roots. \_\_\_\_\_.

**Q3. Match the following :**

**1x5=5**

- a. Biting and cutting food                      (i) breathing roots.  
b. Many roots arising from the              (ii) food poisoning

- base of the stem
- c. Canines (iii) incisors
- d. Mangrove (iv) tearing the food
- e. Uncovered & unrefrigerated food (v) fibrous roots.

**Q4. Write two similarities between :**

**2x2=4**

- (i) Breathing roots and supporting roots
- (ii) Premolars and molars.

**Q5. Define the following :**

**2x2=4**

- a. Digestion
- b. Fibrous roots.

**Q6. Draw and label :**

**(5)**

- a. different parts of a plant
- b. The human tongue and all its different taste zones.

**Q7. Answer the following questions :**

**(12)**

- a. Mention three ways how we can prevent tooth decay. (3)
- b. Why is our body a complex system ? (2)
- c. Where does complete digestion and absorption of food take place ?  
How is the digested food carried to different parts of the body ? (1+1)
- d. Mention two functions of saliva. (2)
- e. Why do mangroves give out aerial roots from the soil ? what kind of special roots does maize have ? (2+1 )

**1. Fill in the blanks with appropriate words: -**

- a) Digestion of food starts from the part known as\_\_\_\_\_.
- b) The body parts which are present inside our body and can not be seen from outside, are called\_\_\_\_\_ organs.
- c) Our body works like a \_\_\_\_\_.
- d) There are \_\_\_\_\_ premolars in all in our mouth.
- e) The hardest substance in the human body is called\_\_\_\_\_.
- f) The length of small intestine is approximately \_\_\_\_\_ metres.
- g) Liver and pancreas pour their juices into the\_\_\_\_\_.
- h) \_\_\_\_\_ carries the digested food to all parts of the body.
- i) The \_\_\_\_\_ is the largest gland of our body

**2. Rewrite the following sentences correctly:**

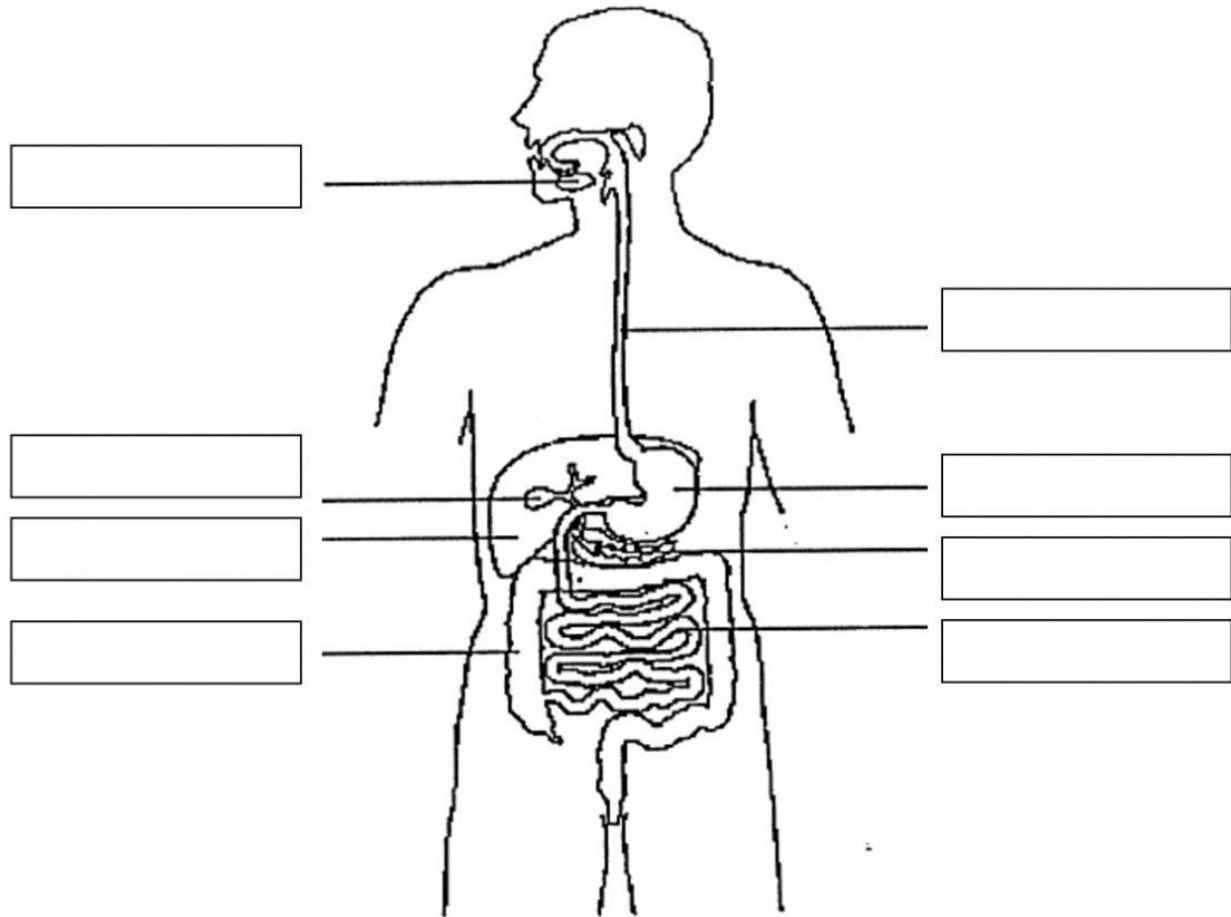
- a) The back of the tongue is sensitive to sweet taste.
- b) The undigested semi-solid waste is collected in small intestine.
- c) There are four pairs of salivary glands in our mouth.
- d) The teeth used to tear food are known as incisors.
- e) Including upper and lower jaw, there are eight molars in all.

**3. Answer the following questions in brief:**

- a) Your mother has served you brown bread without sugar in breakfast. It started tasting a little sweet while chewing. Give reason for this observation.
- b) What type of food is needed to protect our teeth? Give two examples.
- c) A person is suffering from diarrhoea and vomiting.
  - i) What should be given to the person immediately?
  - ii) Give any one reason for such condition of that person.
- d) This liquid is secreted by salivary gland in the mouth.

- i) Name the liquid.
- ii) Write any two functions of this liquid.
- e) Draw and label human tongue showing different taste zones.

4) Observe the given diagram of human digestive system carefully to identify the parts marked and also write their names in the boxes provided:



**5) Write functions of the following organs of digestive system:**

<b>Name of the organs</b>	<b>Function</b>
Mouth	
Oesophagus	
Stomach	
Small intestine	
Large intestine	

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**ACTIVITY**

Collect two types of roots ( tap roots and fibrous roots ) One of each type ,  
Dry them , keep them in a dry air tight poly pack , and then staple the poly packs in the  
copy.

N. B . Buy a ruled copy and do all the Science holiday home work in that copy.

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