

WORKSHEET 1

CHAPTER 10 – TOOTH – STRUCTURE AND FUNCTIONS

A. Name the following.

1. The part of the teeth which is below the crown.
2. The type of dentition found in mammals.
3. Flat and straight teeth with sharp edges.
4. The structures present in the pulp cavity.
5. The living part of the tooth.

B. State whether the following statements are True or False.

1. Enamel is the hardest substance known in the body.
2. There are 12 incisors in humans.
3. The root of a tooth is embedded in the jawbone.
4. Canines are the crushing and grinding teeth.
5. Dental formula of permanent teeth in human adults is $\frac{2I, 1C, 2PM, 3M}{2I, 1C, 2PM, 3M}$.

C. Fill in the blanks.

1. _____ are animals which feed on dead organisms.
2. _____ have homodont dentition.
3. Molars in the upper jaw have _____ roots, while those in the lower jaw have _____ roots.
4. The neck of the tooth is surrounded by the _____.
5. The root of the tooth is covered with _____ which fixes the root in position.

D. Match the items in Column A with those in Column B and write down the matching pairs.

Column A

1. Biting and cutting food
2. Grinding and crushing food
3. Homodont
4. Heterodont
5. Holding and tearing food

Column B

- a. canines
- b. lizard
- c. dog
- d. molars
- e. incisors

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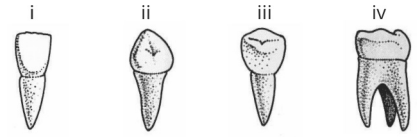
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Class: IX

Date:

E. Study the figure given below and answer the following questions.

1. Write the names of teeth **i** to **iv**. Write their functions.
2. Name two minerals present in the teeth.
3. Write the dental formulae for both deciduous and permanent teeth in humans.
4. Write the name of last, type **iv** teeth. Why is it so called?
5. Why is type **ii** teeth absent in herbivores?



ANSWERS

WORKSHEET 1

A. Name the following.

1. Dentine
2. Heterodont
3. Incisors
4. Odontoblasts, blood vessels and sensory endings of nerves.
5. Pulp

B. State whether the following statements are True or False.

1. True
2. False
3. True
4. False
5. True

C. Fill in the blanks.

1. Carrion-feeders
2. Frogs
3. three, two
4. jaws
5. cement

D. Match the items in Column A with those in Column B and write down the matching pairs.

1. e.
2. d.
3. b.
4. c.
5. a.

E. Study the figure given below and answer the following questions.

1. i. Incisor ii. Canine iii. Premolar iv. Molar

Functions –

Incisors – Used for cutting and biting the food.

Canines – Used for holding and tearing the food.

Premolars – Specialized for crushing and grinding the food.

Molars – Used for crushing and grinding the food.

2. Calcium and phosphorus
3. Dental formulae

Deciduous teeth – $\frac{2I,1C,2M}{2I,1C,2M}$

Permanent teeth – $\frac{2I,1C,2PM,3M}{2I,1C,2PM,3M}$

4. Wisdom tooth – It is called wisdom tooth because it generally appears at the age of 17–20 years when the body reaches maturity.
5. Type ii teeth or canines are used for tearing of flesh. Herbivores do not eat flesh. They feed on plants. Hence, they lack canines and have well developed incisors and molars.