

Structure of Teeth

A. Choose the correct answer:

1. What is the outermost layer of a tooth called?

- A) Dentin
- B) Pulp
- C) Enamel
- D) Cementum

2. Which part of the tooth contains nerves and blood vessels?

- A) Enamel
- B) Pulp
- C) Dentin
- D) Crown

3. What is the function of dentin in a tooth?

- A) It protects the pulp
- B) It helps in chewing food
- C) It covers the gums
- D) It acts as the hardest layer of the tooth

B. Fill in the Blanks:

1. The visible part of the tooth above the gum is called the _____.
2. The soft part inside the tooth that contains blood vessels and nerves is called the _____.
3. The root of the tooth is covered by a substance called _____, which helps anchor the tooth in place.

C. Case Study:

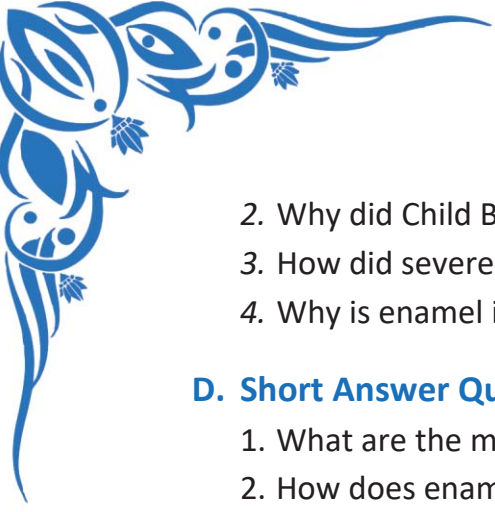
Dr. Mehta, a dentist, conducted a study on the teeth structure of three children:

- **Child A** had strong enamel and no tooth decay.
- **Child B** had weak enamel and some cavities.
- **Child C** had an exposed pulp due to severe tooth decay.

After examination, Dr. Mehta explained that maintaining the enamel layer is crucial for protecting the inner parts of the tooth.

Questions & Answers:

1. What was Dr. Mehta analyzing in this study?



2. Why did Child B develop cavities?
3. How did severe decay lead to pulp exposure in Child C?
4. Why is enamel important in protecting the tooth?

D. Short Answer Questions:

1. What are the main parts of a tooth?
2. How does enamel protect the tooth?
3. What happens when the pulp of a tooth gets damaged?

E. Long Answer Questions:

1. Explain the different layers of a tooth and their functions.
2. How does tooth decay affect the structure of a tooth?
3. Describe how proper dental care helps in maintaining strong teeth.