



Functions of Bones

A. Choose the Correct Answer:

1. Which of the following is a function of bones?

- A) Protecting internal organs
- B) Producing blood cells
- C) Providing support and shape
- D) All of the above

2. What part of the bone produces blood cells?

- A) Bone marrow
- B) Cartilage
- C) Ligament
- D) Skull

3. Which bones protect the lungs and heart?

- A) Skull
- B) Spine
- C) Ribcage
- D) Pelvis

B. Fill in the Blanks:

1. The _____ helps in the production of blood cells inside the bones.
2. The skeletal system provides _____ and support to the body.
3. Bones store essential minerals such as _____ and phosphorus.

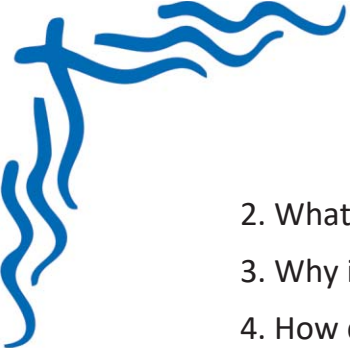
C. Case Study:

Priya was learning about the skeletal system in her science class.

- Her teacher explained that bones protect important organs like the brain, heart, and lungs.
- She learned that the bone marrow inside the bones produces red and white blood cells.
- The teacher also mentioned that bones store calcium, which is important for keeping them strong.
- Priya discovered that the skeletal system, along with muscles, helps in body movement.

Case Study Questions:

1. Which organs are protected by the bones?

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2. What is the function of bone marrow?
 3. Why is calcium important for bones?
 4. How do bones help in body movement?

D. Short Answer Questions:

1. How do bones protect internal organs?
2. What role does bone marrow play in the body?
3. Why is it important to have strong bones?

E. Long Answer Questions:

1. Explain the five main functions of bones with examples.
2. How do bones help in the production of blood cells? Describe the role of bone marrow.
3. Why is the storage of calcium in bones important for the body?