

*Using Figure 5.1, identify the following:*

1) The proximal epiphysis is represented by \_\_\_\_\_.

1. A) Label H
2. B) Label C
3. C) Label A
4. D) Label B
5. E) Label F

Answer: D

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Bloom's: 1) Knowledge

2) The area that causes the lengthwise growth of a long bone is indicated by \_\_\_\_\_.

1. A) Label F
2. B) Label D
3. C) Label A
4. D) Label E
5. E) Label C

Answer: D

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Bloom's: 2) Comprehension

3) The area that serves as a storage area for fat in adults is indicated by \_\_\_\_\_.

1. A) Label H
2. B) Label F
3. C) Label A
4. D) Label G
5. E) Label B

Answer: A

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Bloom's: 2) Comprehension

4) The diaphysis is indicated by \_\_\_\_\_.

1. A) Label D
2. B) Label C
3. C) Label G
4. D) Label A
5. E) Label H

Answer: B

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Bloom's: 1) Knowledge

5) The periosteum, a connective tissue covering on the diaphysis, is represented by \_\_\_\_\_.

1. A) Label C
2. B) Label A

3. C) Label G
4. D) Label B
5. E) Label F

Answer: E

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Bloom's: 2) Comprehension

6) The area that contains glassy hyaline cartilage that provides a smooth slippery surface which decreases friction is indicated by \_\_\_\_\_.

1. A) Label D
2. B) Label H
3. C) Label E
4. D) Label B
5. E) Label A

Answer: A

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Bloom's: 2) Comprehension

7) Blood cell formation is called \_\_\_\_\_.

1. A) ossification
2. B) hematopoiesis
3. C) homeostasis
4. D) metabolism

Answer: B

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Bloom's: 1) Knowledge

8) What bones protect the spinal cord?

1. A) ribs
2. B) sternum
3. C) vertebrae
4. D) coxal bones

Answer: C

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Bloom's: 1) Knowledge

9) Cube-shaped bones that contain mostly spongy bone are called \_\_\_\_\_ bones.

1. A) flat
2. B) long
3. C) short
4. D) irregular

Answer: C

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Bloom's: 1) Knowledge

10) Small canals that connect osteocytes in their lacunae to the central canal are known as \_\_\_\_\_.

1. A) canaliculi

2. B) perforating (Volkmann's) canals
3. C) central (Haversian) canals
4. D) perforating (Sharpey's) fibers

Answer: A

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Bloom's: 1) Knowledge

11) The process of bone formation is known as \_\_\_\_\_.

1. A) hematopoiesis
2. B) hemostasis
3. C) metabolism
4. D) ossification

Answer: D

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Bloom's: 1) Knowledge

12) Bone-destroying cells known as osteoclasts are activated by the hormone \_\_\_\_\_.

1. A) calcitonin
2. B) parathyroid hormone (PTH)
3. C) insulin
4. D) growth hormone

Answer: B

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Bloom's: 2) Comprehension

13) The first step in bone healing involves the formation of a blood-filled swelling known as a(n) \_\_\_\_\_.

1. A) epiphyseal line
2. B) bony callus
3. C) hematoma
4. D) fibrocartilage callus

Answer: C

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Bloom's: 1) Knowledge

14) An incomplete bone break, known as a(n) \_\_\_\_\_ fracture, is commonly seen in children.

1. A) spiral
2. B) greenstick
3. C) impacted
4. D) comminuted

Answer: B

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Bloom's: 2) Comprehension

15) The skull, vertebral column, and thoracic cage form the \_\_\_\_\_ skeleton.

1. A) appendicular
2. B) central
3. C) axial

4. D) main

Answer: C

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Bloom's: 1) Knowledge

16) The large hole located in the base of the occipital bone that allows the spinal cord and brain to connect is the \_\_\_\_\_.

1. A) occipital condyle
2. B) vertebral foramen
3. C) intervertebral foramen
4. D) foramen magnum

Answer: D

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Bloom's: 1) Knowledge

17) The temporal bones are joined with the parietal bones at the \_\_\_\_\_ sutures.

1. A) coronal
2. B) sagittal
3. C) squamous
4. D) lambdoid

Answer: C

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Bloom's: 2) Comprehension

18) The shin bone is called the \_\_\_\_\_.