

# Module 11 Quiz: Skeletal System

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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## Part A: Multiple Choice (7 points)

*Choose the best answer for each question. (1 point each)*

1. Which is NOT a function of the skeletal system?
2. A) Protection
3. B) Blood cell production
4. C) Hormone production
5. D) Mineral storage
6. The structural unit of compact bone is the:
7. A) Trabecula
8. B) Osteon (Haversian system)
9. C) Periosteum
10. D) Medullary cavity
11. Which cells are responsible for building new bone?
12. A) Osteoclasts
13. B) Osteocytes
14. C) Osteoblasts
15. D) Chondrocytes
16. Long bones grow in length at the:
17. A) Diaphysis
18. B) Periosteum

- 19. C) Epiphyseal plate
- 20. D) Medullary cavity
- 21. The axial skeleton includes:
- 22. A) Arms and legs
- 23. B) Hands and feet
- 24. C) Skull, vertebrae, and ribs
- 25. D) Shoulder and pelvic girdles
- 26. Bone marrow that produces blood cells is:
- 27. A) Yellow marrow
- 28. B) Red marrow
- 29. C) Compact bone
- 30. D) Spongy bone
- 31. Which joint type allows the greatest range of motion?
- 32. A) Fibrous
- 33. B) Cartilaginous
- 34. C) Synovial
- 35. D) Suture

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## Part B: Free Response (3 points)

*Answer each question in complete sentences.*

1. (1 point) Describe the three types of bone cells and their functions.

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1. (1 point) Compare compact bone and spongy bone in terms of structure and location.

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1. (1 point) What is osteoporosis? What factors increase the risk of developing it?

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