

Module 11 Quiz: Skeletal System

Name: _____ Date: _____

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

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.

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

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