**Bone Study Guide**

1. Where are irregular bones found in the body?

2. Where can flat bones be found in the body?

3. Where can short bones be found?

4. Where is elastic cartilage found in the body?

5. Where is fibrocartilage found in the body?

6. Where is hyaline cartilage found in the body?

7. What does the periosteum in bone contain?

8. What does the inside of the periosteum contain?

9. What disorder causes soft bones due to lack of vitamin D and calcium?

10. What disease forms from bone loss due to low calcium levels around menopause?

11. What birth defect results when the vertebrae do not form properly, exposing the spinal cord?

12. What type of fracture is pressed inward, typically seen from a blow to the skull?

13. What fracture results in broken ends that protrude through the skin?

14. What type of fracture is commonly seen in children?

15. What type of fracture results in ends that are forced into one another, typical of a fall?

16. Osteoblasts, osteoclasts, proteogylcans and collagen make up what component of bone?

17. What component of bone do mineral salts make up?

18. The name for bone creation is:

19. What is the name for blood cell formation?

20. Where is red marrow found in infants?

21. Where is red marrow found in adults?

22. What is found in yellow bone marrow?

23. Where does cartilage remain from childhood into adulthood?

24. What cells in bone break bone down in response to low blood calcium levels?

25. What hormone is released when blood calcium levels are too low?

26. What cells are responsible for building up bone when blood calcium levels are too high?

27. What hormone is released when blood calcium levels are too high?

28. What canals in compact bone run up and down for blood vessels to move through?

29. What canals in compact bone allow blood vessels to run across (horizontally)?

30. What are the correct stages of bone healing in order?

31. The ribcage surrounds some vital organs. What function of bone would this fall under?

32. What is the function of the epiphyseal plate?

**Be able to identify the following on the long bone diagram:**

-Epiphysis, cartilage, spongy bone, epiphyseal plate, periosteum, compact bone, medullary cavity, and diaphysis. YOU WILL BE LABELING THOSE ON THE TEST!!!! (that portion isn’t multiple choice)