

Review sheet Chapter 6 Skeletal tissues

1. Why are the bones of the skeleton considered organs?
2. What are the functions of the skeletal system?
3. Know the difference between cartilage and bone tissue, including: cell types, relative strength/flexibility, density of matrix, vascularization
4. What inorganic substance in bone makes it so rigid?
5. What is the difference between an osteoblast and an osteoclast?

10. What are the two types of cartilage growth? Which is important for an increase in girth (size)? Which is important for length increase?

11. What are the cell types that make new cartilage tissue?

12. Where is new matrix secreted for appositional growth? What about for interstitial growth?

13. Which has more cartilage, an adult or a juvenile?

14. What is osteogenesis?