

Name _____ Date _____ Period _____

Use this [Crash Course Video on The Skeletal System](#) to answer the following:

1. What is hematopoiesis and how is it related to bones?

2. Contrast bone loss in space with bone loss on earth.

3. Contrast axial and appendicular bones.

4. Give an example of each:

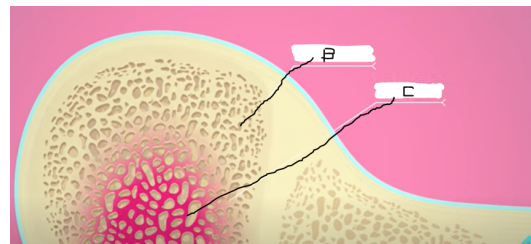
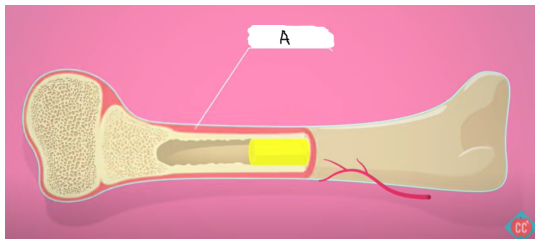
-long bone

-short bone

-flat bone

-irregular bone

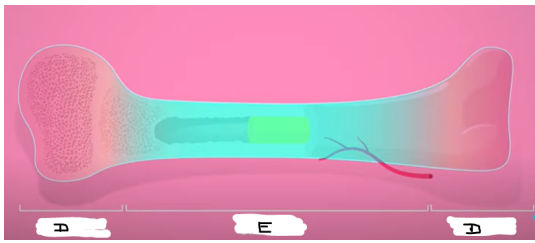
5. What is indicated by A below?



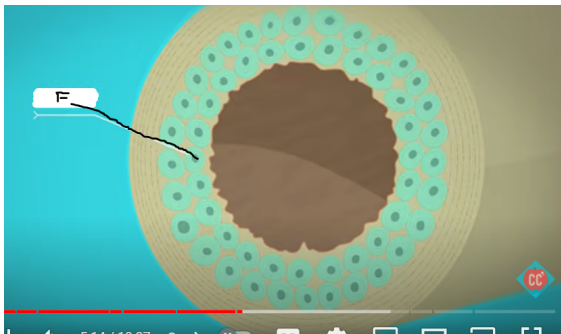
6. What is indicated by B and C above?

7. Contrast red and yellow bone marrow.

8. What is indicated by D and E below?



9. What is indicated by F below?



10. How does the structure of the lamellae around the osteon provide strength and protection from torsion stress?

11. What is found in the center of osteon?

12. What important work takes place in the lacunae (little pits) of the bone?

13. From your time in the womb until about 25 years of age the osteoblasts (bone makers) lay down what two substances?

14, Why is exercise important for a healthy skeleton?

Use page 133 (Chart 7.2) to define the following parts of the bones:

Spine Definition

Spine Example

Fossa Definition

Fossa Example

Tubercle Definition

Tubercle Example

Tuberosity Definition

Tuberosity Example