

Name: _____

Class: _____

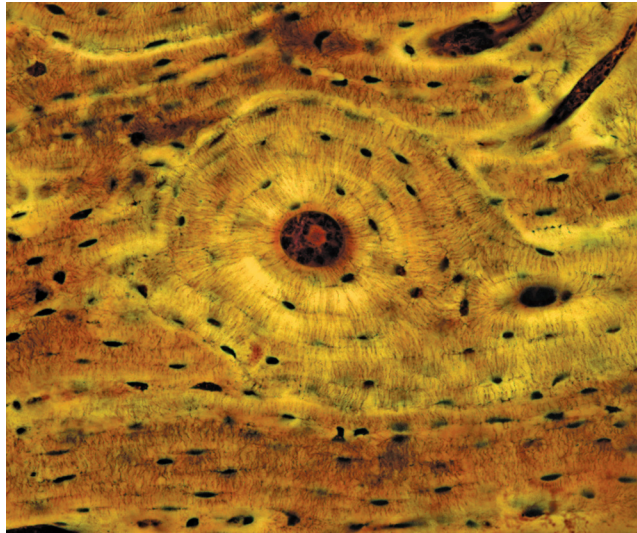
WORKSHEET**12.1 The skeleton**

Using Chapter 12 of *Human Perspectives Units 1 & 2*, complete the following activities.

- 1 Describe how the skeleton carries out each of the following functions.
 - a Support
 - b Storage
 - c Blood cell production
 - d Protection
 - e Leverage

- 2 Sketch a long bone. Label the following parts: diaphysis, epiphysis, marrow cavity, articular cartilages, compact bone, spongy bone, bone marrow and periosteum.

- 3 a** On the photograph below of a slice of compact bone, label the central canal, lacunae, canaliculae, lamellae and osteon.



- b** State the function of the lacunae, lamellae, canaliculi and central canal.

- 4** What is cartilage made up of?

5 Define each of the following.

- a Chondrin

- b Chondroblast

- c Chondrocyte

- d Lacunae

6 Complete the following table.

Type of cartilage	Structure	Characteristics	Location
Hyaline			
Elastic			
Fibrocartilage			

7 Explain the difference between the axial and the appendicular skeleton.

8 On the following diagram, colour the axial skeleton green and the appendicular skeleton red. Label the major bones that make up the skeleton.

