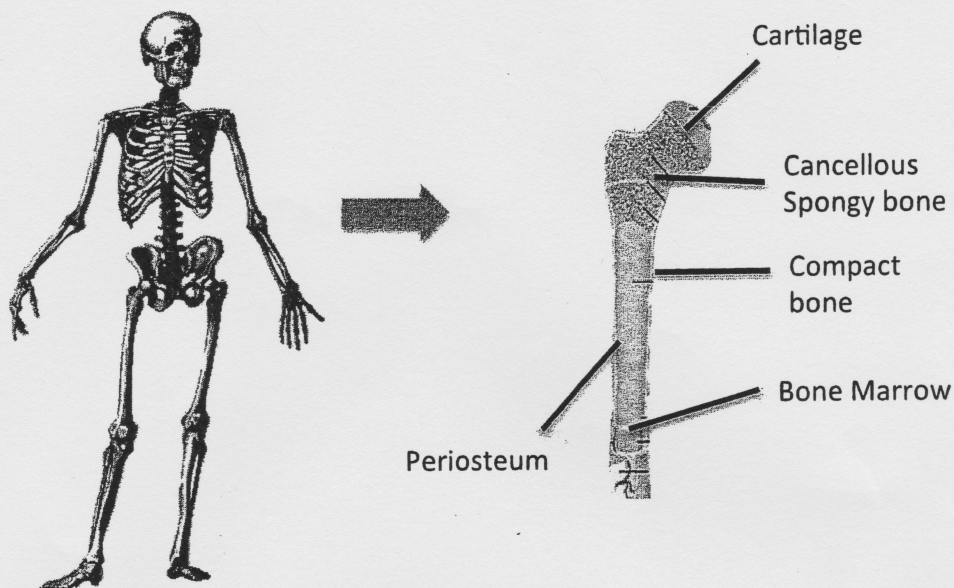


UNIT 3.1: THE STRUCTURE AND FUNCTION OF THE SKELETAL SYSTEM?: BONE STRUCTURE

Bones are living, growing tissue, they are mostly made of collagen, a soft protein, and calcium phosphate, a mineral that is strong and hard. There are many features which can be seen when you look at the structure of a bone.



1. Which bone can be seen in the diagram? _____
2. Match the features with their description:

CARTILAGE

PERIOSTEUM

COMPACT BONE

BONE MARROW

CANCELLOUS BONE

This layer of bone sits below the periosteum, it is made up of **compact bone**, which is smooth and hard.

This is the outer surface of the bone, it is thin, dense membrane that contains nerves and blood vessels that nourish the bone

Within the compact bone are layers of bone which are strong but not as hard as compact bone, this type of bone is sometimes referred to as spongy bone.

This is the inner most part of the bone, it is a thick like jelly substance, dogs love it. Its job is to make red blood cells.

This is a tough flexible connective tissue which protects the ends of the bone..