Chapter 5 - The Skeletal System

1) What covers compact bone and functions in bone repair and growth?

2) Bands of connective tissue that aid in the attachment of muscles to bones are termed __________.

3) Which bones form the cheekbones in the skull of mammals?

4) Which hormone regulates blood calcium levels by stimulating osteoclasts to break down bone and is secreted when blood calcium levels are insufficient?

5) Two small bones found at the corner of the eyes that have a duct system that drains tears from the eyes into the nasal chambers are called the __________.

6) Which cells form new bone in bone tissue?

7) What forms within the spaces of spongy bone and functions to produce blood cells?

8) Which cranial bones separates the cranial cavity from the nasal cavity and provides the olfactory nerves with access to the brain?

9) Connective tissues that form strong straps and function to hold bones together, support joints, and direct movement are known as __________.

10) Which joints allow movement in only one plane, such as in the knee or elbow?

11) The main weight-bearing bone in the lower extremities is known as the __________.

12) Membranous areas in the infant skull that join bones and function to allow for rapid growth of the brain are known as __________.

13) The number of bones in a newborn exceeds the number of bones in an adult. Why would the number of bones decrease over time?

14) Forensic scientists may have to identify a victim who was lost in the wilderness years ago from the remains found by a hiker. What sort of evidence from the bones would they look for to determine the age of the person?

15) Calcium intake is of concern to women during pregnancy. If a woman for whatever reason does not get enough calcium in her diet during pregnancy, what is likely to happen to her bone tissue?

16) Too much calcium in the bloodstream, a condition called hypercalcemia, can be very dangerous. The thyroid gland releases a hormone called calcitonin when calcium is too high. What must calcitonin do to lower calcium levels in the blood?