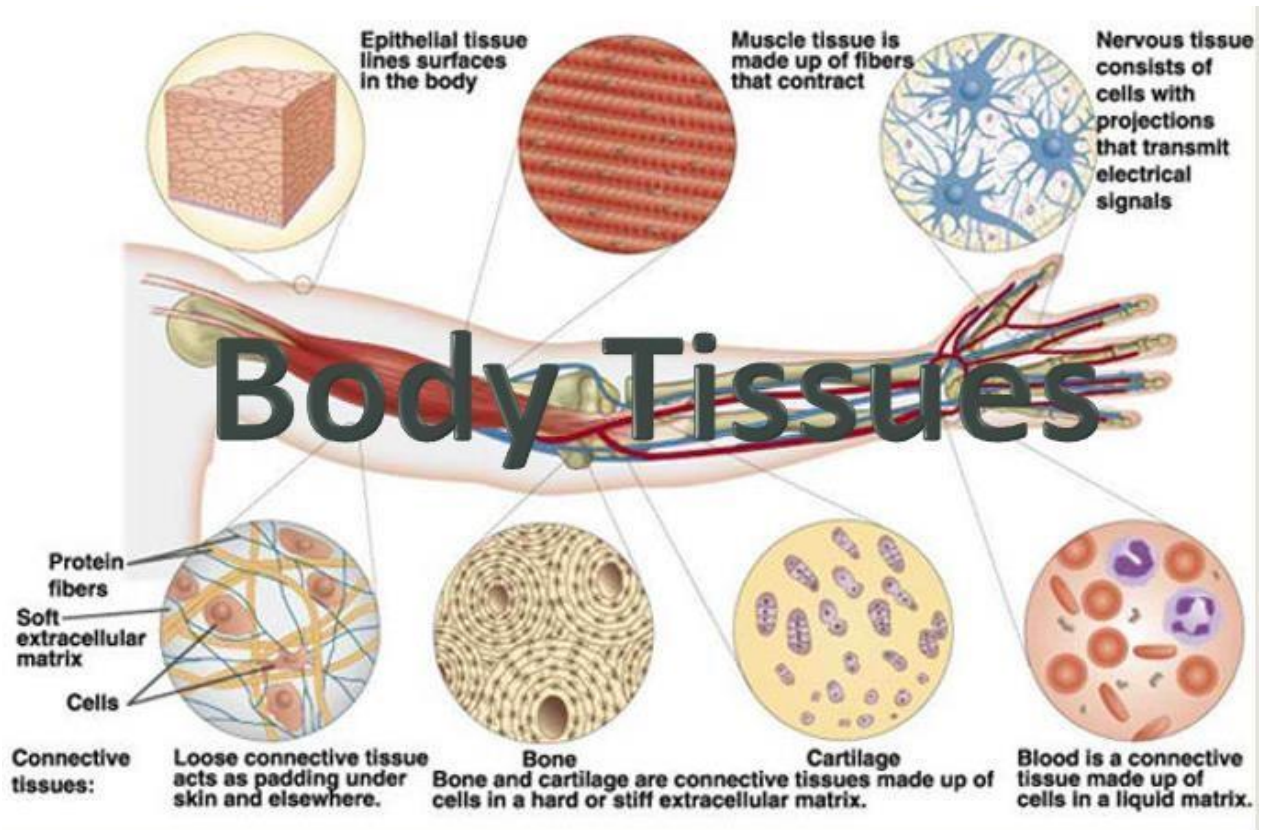


Anatomy and Physiology

Lesson 1 Human Body Tissues



Histology - microscopic study of tissues.

Biopsy - process of removing tissue samples from patients surgically or with a needle for diagnostic purposes.

-examining tissue samples can distinguish various disorders.

Autopsy - examination of the organs of a dead body to determine the cause of death or to study the changes caused by a disease. Microscopic examination of tissue is often part of an autopsy.

Tissues - collections of specialized cells and the extracellular substances surrounding them.

-classified into four types (epithelial, connective, muscular, nervous), based on the structure of the cells, the composition of the noncellular substances surrounding the cells (extracellular matrix), and the functions of the cells.