

Anatomy Chapter 6: Muscular System

- 3 types of muscles – *cardiac*, *skeletal*, and *smooth*
 - Cardiac
 - Only found in the heart
 - Involuntarily controlled
 - Striated, branched, cylindrical cells with intercalated discs
 - Has a single nucleus in each cell
 - Found in the walls of the heart
 - Slow contraction speed
 - Changes the internal volume of the heart as it contracts
 - Skeletal
 - Found attached to bones
 - Voluntarily controlled
 - Striated
 - Has several nuclei per cell
 - Contains long, non-branching cylindrical cells
 - Slow to fast contraction speed
 - Concerned with locomotion of the body as a whole
 - Smooth
 - Found in the walls of the stomach, uterus, and arteries
 - Involuntarily controlled
 - Has a single nucleus in each cell
 - Contains spindle-shaped cells
 - Changes internal volume of an organ as it contracts
 - Very slow contraction speed

