
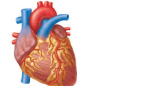
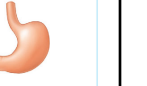
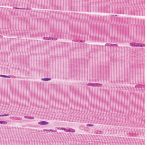
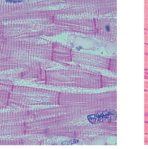
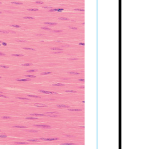


Table 6.1 Comparison of Skeletal, Cardiac, and Smooth Muscles

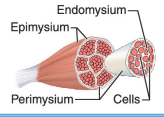
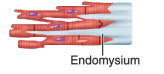
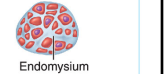
Characteristic	Skeletal	Cardiac	Smooth
Body location	Attached to bones or, for some facial muscles, to skin	Walls of the heart	Mostly in walls of hollow visceral organs (other than the heart)
Cell shape and appearance	Single, very long, cylindrical, multinucleate cells with very obvious striations	Branching chains of cells; uninucleate, striations; intercalated discs	Single, fusiform, uninucleate; no striations

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Table 6.1 Comparison of Skeletal, Cardiac, and Smooth Muscles (continued)

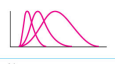
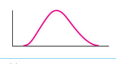
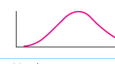
Characteristic	Skeletal	Cardiac	Smooth
Connective tissue components	Epimysium, perimysium, and endomysium	Endomysium attached to the fibrous skeleton of the heart	Endomysium

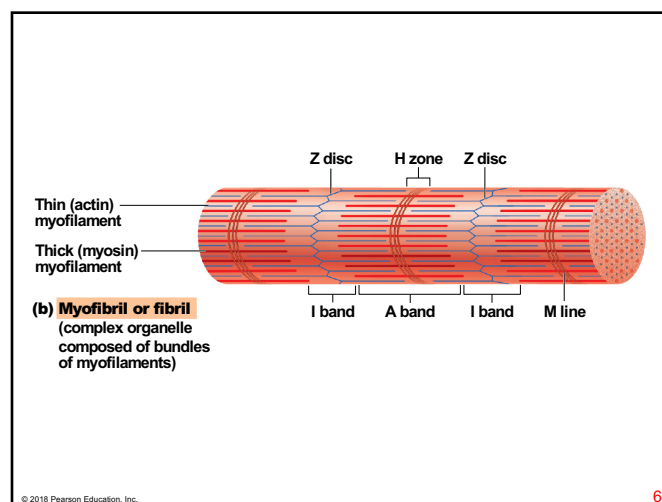
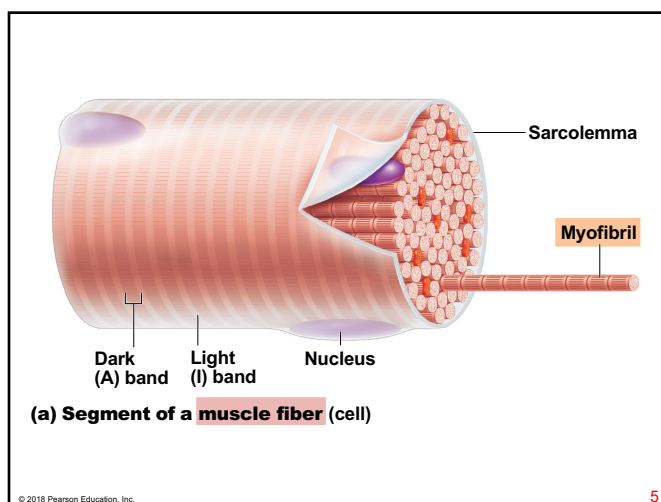
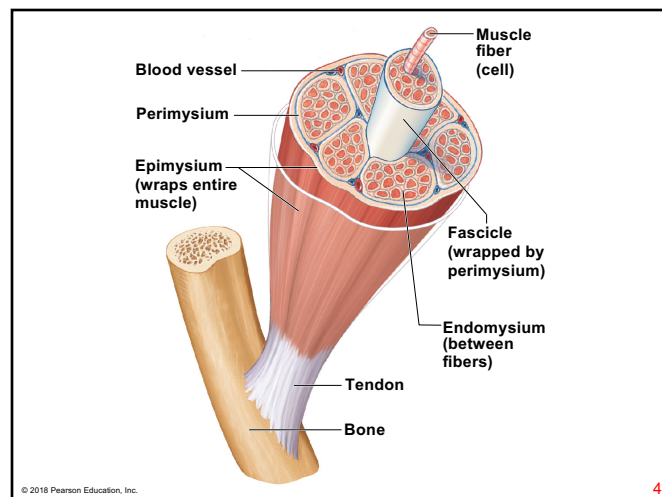
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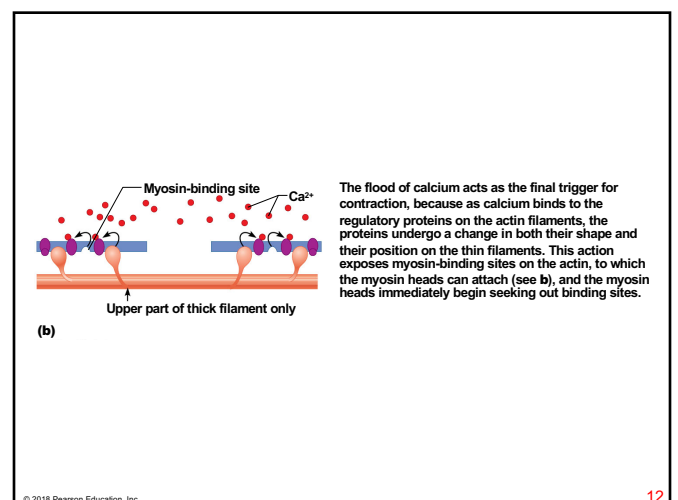
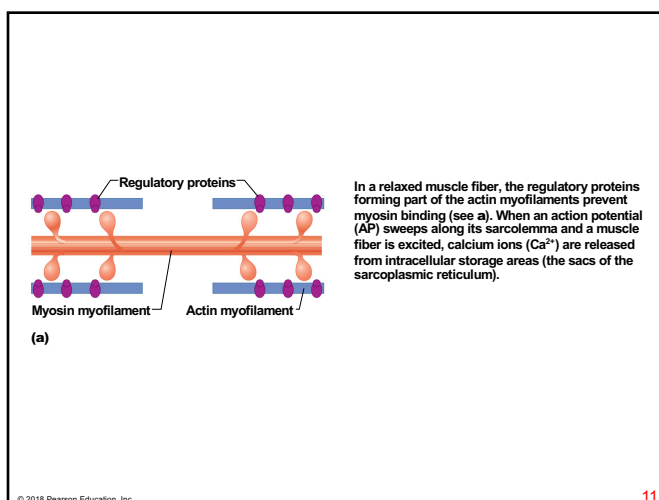
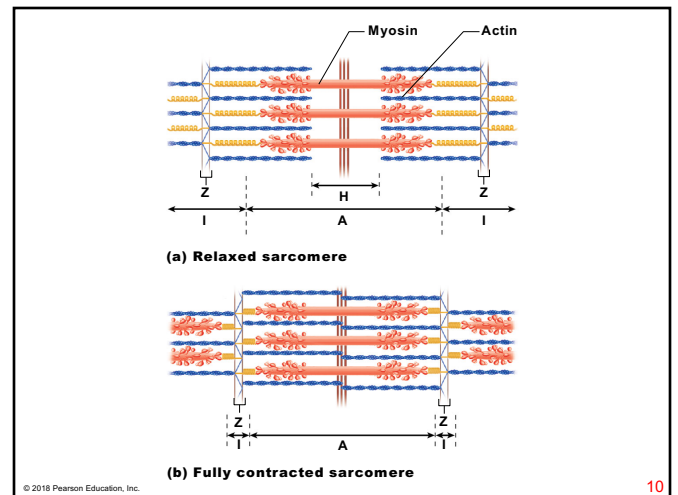
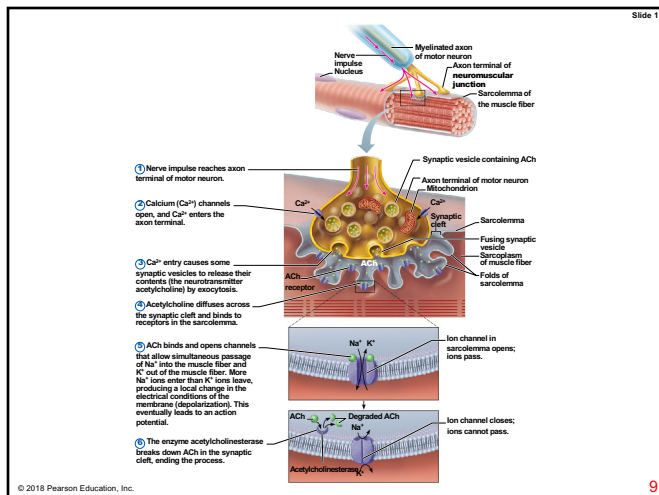
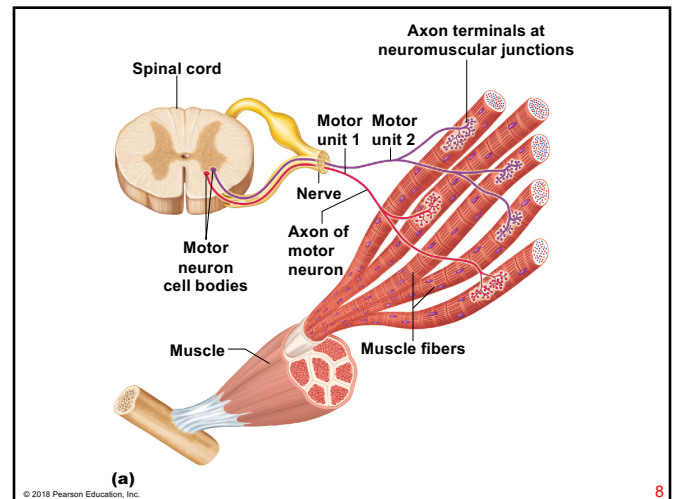
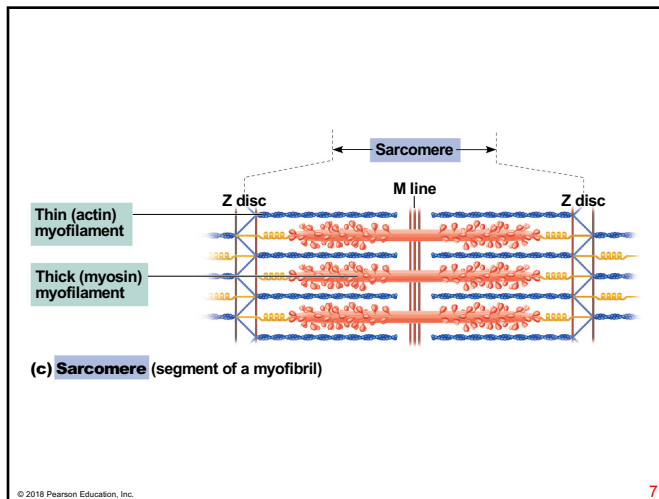
Table 6.1 Comparison of Skeletal, Cardiac, and Smooth Muscles (continued)

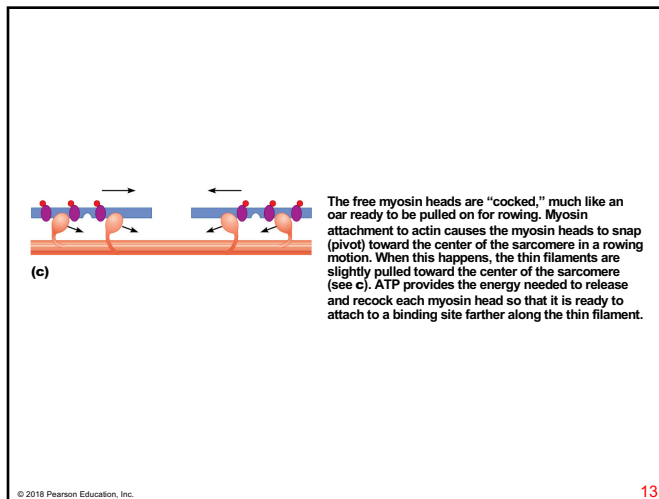
Characteristic	Skeletal	Cardiac	Smooth
Regulation of contraction	Voluntary; via nervous system controls	Involuntary; the heart has a pacemaker; also nervous system controls; hormones	Involuntary; nervous system controls; hormones, chemicals, stretch
Speed of contraction	Slow to fast	Slow	Very slow
Rhythmic contraction	No	Yes	Yes, in some

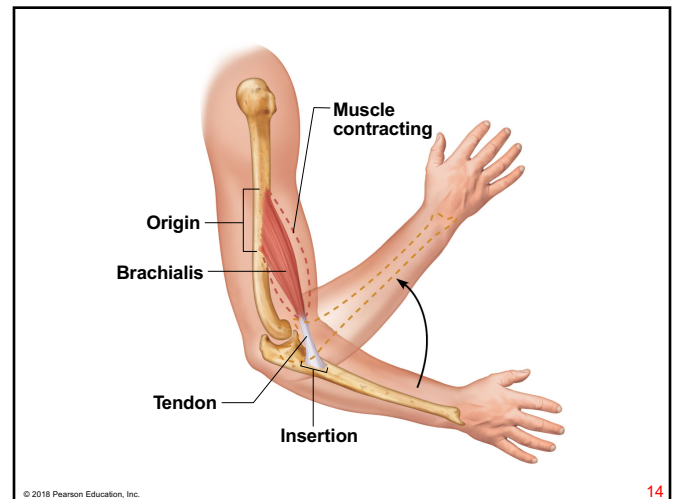
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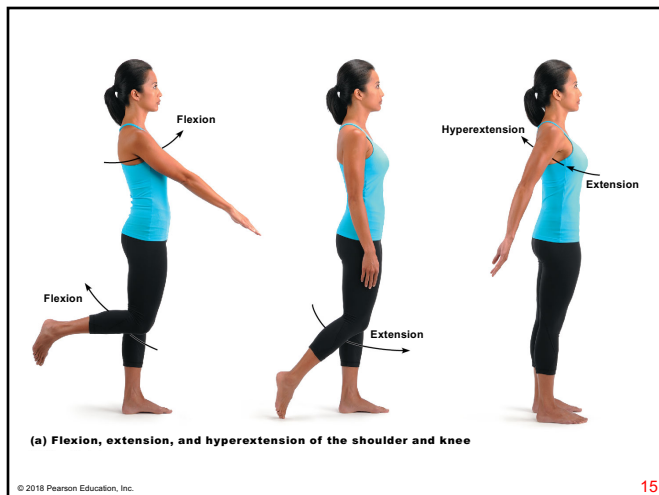




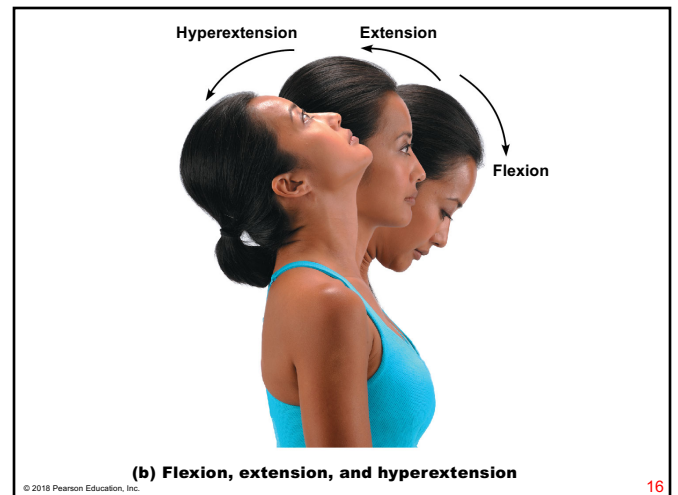
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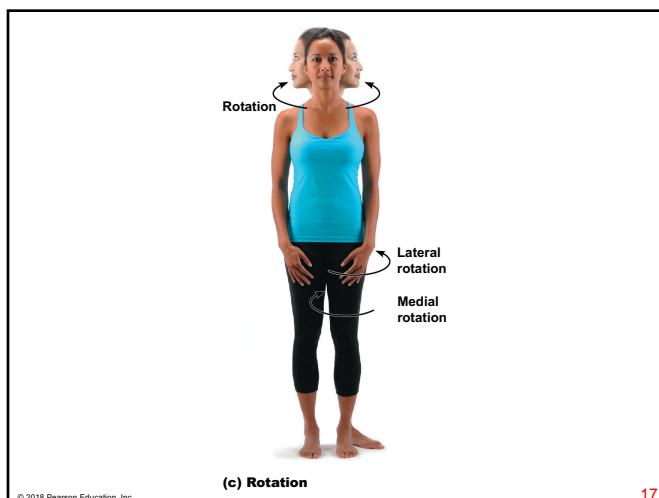
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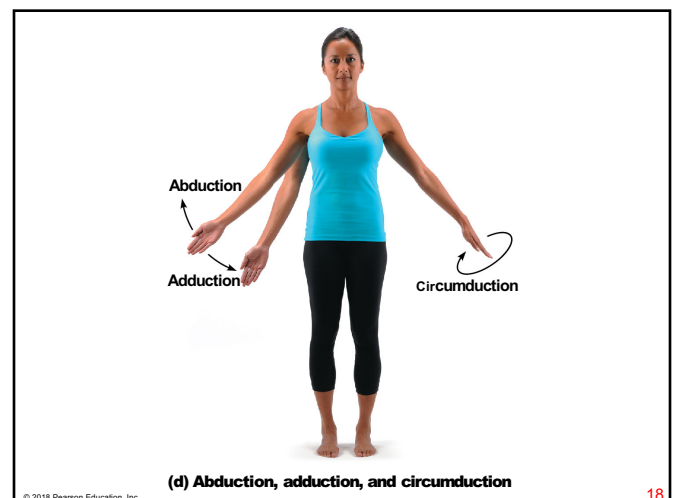
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