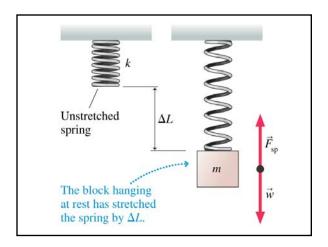
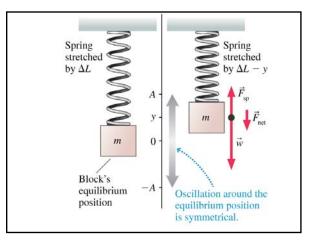
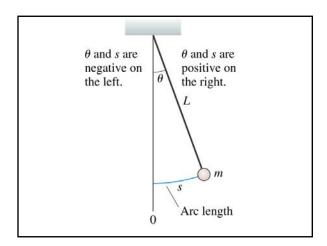


Reading Assignment

- Next week's reading is Knight Chapter 20, Sections 20.1 – 20.7. (We are skipping Chapters 15,16,17,18 and 19.) There is a preclass quiz on www.masteringphysics.com for Chapter 20 due on Monday morning.
- A www.masteringphysics.com Problem Set on Chapter 14 is due on Friday at 11:59PM.







	Mass on a Spring	Pendulum
Condition for S.H.M.	Small oscillations (spring obeys Hooke's Law)	Small angles (sinθ ≈ θ)
Natural frequency [rad/s]	$\omega = \sqrt{\frac{k}{m}}$	$\omega = \sqrt{\frac{g}{L}}$
Period	$T = 2\pi \sqrt{\frac{m}{k}}$	$T = 2\pi \sqrt{\frac{L}{g}}$

