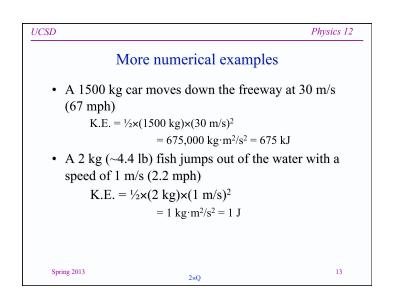
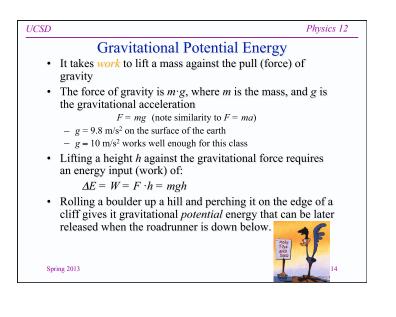
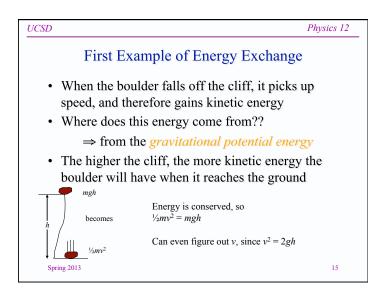
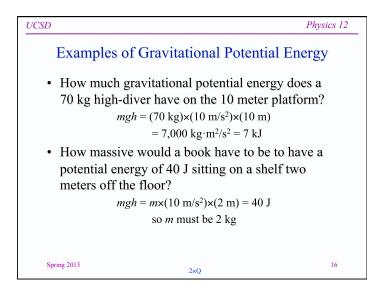


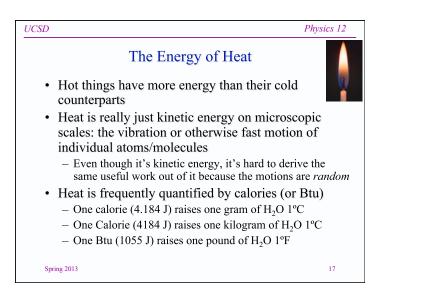
Energy

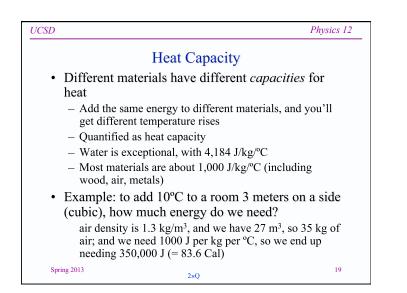


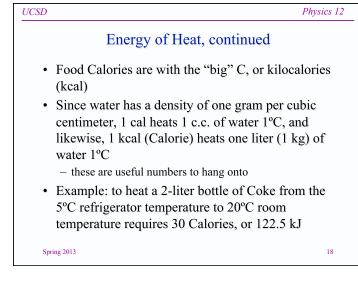












UCSD	Physics 12
Η	Power
	 Power is simply energy exchanged per unit time, or how fast you get work done (Watts = Joules/sec) One horsepower = 745 W Perform 100 J of work in 1 s, and call it 100 W Run upstairs, raising your 70 kg (700 N) mass 3 m (2,100 J) in 3 seconds → 700 W output! Shuttle puts out a few GW (gigawatts, or 10⁹ W) of power!
Spring 2013	20

Energy

