<u>Unit 1: Kinematics in 1D</u> Acceleration Due to Gravity

,	 In the absence of air friction Near Earth's surface the acceleration is 	Example: A student drops their homework down a wishing well. After 2.4 s it hits the water at the bottom. How deep is the well?
Example: A football is kicked straight up in the air at 15 m/s. a) How high does it go?		
1,,	b) What is its total hangtime?	
	Example: A student stands on the edge of a 45.0 m high cliff. They throw their physics homework straight up in the air at 12.0 m/s. a. How long does it take to come back down to the same height as the student?	
1	b. If it falls all the way to the bottom of the cliff, ho	ow fast is it traveling when it hits the ground?