

Quiz 5 (10 points)
Dr. Taylor

Chemistry 111
Spring 2012

Name _____
First AND Last

Convert 32 ft/sec² to meters/min²

Given: 1 foot = 12 inches
1 inch = 2.54 cm

$$\frac{32 \text{ ft}}{\text{Sec}^2} \times \frac{12 \text{ in}}{1 \text{ ft}} \times \frac{2.54 \text{ cm}}{1 \text{ in}} \times \frac{(60 \text{ sec})^2}{(1 \text{ min})^2} = \frac{3.5 \times 10^4 \text{ meters}}{\text{min}^2}$$