

Name: _____ Date: _____ Period: _____

Physics Measurement and Estimation Activity

Directions: For each item below, make the requested measurements with an appropriate measurement tool. For each measurement type, provide three trials and record your results with units in the table below. Calculate the uncertainty for each type of measurement. Show your uncertainty calculations on a separate sheet of paper.

Item	Measurement Type	Measurement Value			Units	Uncertainty
		Trial #1	Trial #2	Trial #3		
ActivExpression	Length					
	Mass					
Hanging Mass	Mass					
	Volume					
	Force					
Cube	Mass					
	Volume					
Flying Pig	Time (1 cycle)					

Tools for Measurement:

Length – meter stick, ruler

Mass – digital scale

Volume – measure length and calculate using geometry, graduated cylinder method

Force – spring scale

Time – stop watch