

Name \_\_\_\_\_

Section \_\_\_\_\_

Lab Instructor \_\_\_\_\_

Date \_\_\_\_\_

## EXPERIMENT 1

# The Laboratory Balance: Mass Determinations

### PRE-LABORATORY QUESTIONS

1. What are the differences in meaning between *mass* and *weight*? In the laboratory, do we determine the mass or the weight of objects?

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2. Explain the following: Weigh approximately 5 grams of NaCl to the nearest milligram.

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3. The force of gravity on the moon is approximately  $\frac{1}{6}$  than on the earth. If an object that has a mass of 1 kg on the earth were sent to the moon, would its mass change? Would its weight be different? Explain.

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