

SECTION
1-2 Mass and Weight

(pages 14-20)

KEY CONCEPTS

▲ Mass is the amount of matter in an object.

▲ The pull of gravity on an object determines the object's weight.

Vocabulary Skills: Relating Terms

Tell how each of the following pairs of terms are related.

1. mass: matter

2. inertia: motion

3. mass: inertia

4. mass: grams

5. mass: weight

6. attraction: gravity

7. weight: gravity

8. weight: newtons

Name _____

Date _____

Period _____

Observations

DATA TABLE 1

Object	Mass (g)
Coin	
Paper Clip	
Rubber Stopper	

DATA TABLE 2

Mass Of Empty Beaker (g)	Mass Of Beaker With 50-mL Of Water (g)

DATA TABLE 3

Mass Of Weighing Paper (g)	Mass Of Weighing Paper And Table Salt (g)

Conclusions

1. What is the mass of 50-mL of water?
2. Which rider on the balance should be moved first when finding the mass of an object?
3. What is the mass of the largest object your balance is able to measure?
4. What is the mass of the smallest object your balance is able to measure accurately?
5. After using your balance, how should it always be left?

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5. After using your balance, how should it always be left?
6. Describe how you could find the mass of a certain quantity of milk that you poured into a drinking glass.