

Mass

STUDENT BOOK pp. 6, 35, 70

1. Which of the following statements describes mass?
 - a) Mass is a measure of the quantity of particles making up a body. ☐
 - b) Mass is a measure of the quantity of matter making up a body. ☐
 - c) Mass is a measure of the amount of space occupied by a body. ☐
 - d) Mass is a measure of the quantity of matter making up a body in relation to the amount of space that body occupies. ☐

2. What measuring instrument is used to measure mass?

3. Name two units for measuring mass. Give the symbol for each of the units you choose.

4. Raphael wants to measure the mass of a liquid. How should he do this? Order the following steps chronologically.
 - a) Subtract the mass of the empty container from the mass of the container with the liquid.
 - b) Measure the mass of the empty container.
 - c) Measure the mass of the container with the liquid.
 - d) Pour the liquid into the container.

5. In layperson's language, the term *weight* is often used to mean the mass of an object or a person. Are weight and mass the same measurement in science? Explain your answer.

6. Is mass a characteristic property of a substance? Explain your answer.

