

Volume

STUDENT BOOK pp. 6, 35, 66

1. Which statement matches the definition of volume?

- a) Volume is the amount of particles making up an object. ☐
- b) Volume is the amount of matter making up an object. ☐
- c) Volume is the space occupied by an object. ☐
- d) Volume is the amount of matter making up an object in relation to the space occupied by that object. ☐

2. Give two examples of units for measuring volume and the symbols associated for each of them.

3. Match each example with the appropriate method for measuring volume. (More than one method may apply.)

Example	Method for measuring volume
a) Milk	1. By using a graduated cylinder
b) Copper cube	2. By using a syringe
c) Gas in a balloon	3. By displacing water in a graduated cylinder
d) Pencil	4. By calculating (with a mathematical formula) the length of one edge

4. Arrange the volumes by increasing order of size.

100 mL	10 cm ³	10 L	1000 mL
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5. You want to measure the volume of 25 g of table salt by liquid displacement. Knowing that salt is soluble in water but insoluble in oil, which liquid would you choose?
