

Beaker & Flask Accuracy Lab Quiz

NAME: _____ DATE: _____ PERIOD: _____

True (A) or False (B)

Place either an "A" or a "B" in the blank provided.

- 1) Flasks and beakers are more accurate than graduated cylinders.

- 2) Beakers and flasks are used to mix and hold liquids.

- 3) Graduated cylinders are used to accurately measure liquid volumes.

Use the following data to answer questions 4-7.

Data: Beaker & Flask Accuracy

Size of container	Beaker or flask measurement (mL)	Graduated cylinder measurement (mL)
500-mL beaker	25	50
250-mL beaker	50	100
125-mL beaker	50	50
50-mL beaker	45	50
500-mL flask	29	50
250-mL flask	110	100
125-mL flask	45	50
50-mL flask	45	50

- 4) The 500-mL beaker had a percent error of...
a. 5% b. 50% c. 25% d. 75% e. none of these
- 5) The 250-mL flask had a percent error of...
a. 50% b. 100% c. 10% d. 25% e. none of these
- 6) Absolute error for the 125-mL flask was...
a. 50-mL b. 0-mL c. 21-mL d. 5-mL e. none of these
- 7) The 50-mL beaker had an accuracy of...
a. 80% b. 90% c. 10% d. 100% e. none of these