

Assessment

Quiz**Section: Tools and Techniques**

In the space provided, write the letter of the description that best matches the term or phrase.

- | | |
|------------------------|---|
| _____ 1. gram | a. means 1/1,000 |
| _____ 2. <i>kilo-</i> | b. abbreviation for the metric system |
| _____ 3. liter | c. unit in the metric system for measuring mass |
| _____ 4. <i>milli-</i> | d. means 1,000 |
| _____ 5. SI | e. unit in the metric system for measuring volume |

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 6. Scientists use the International System of Units because
- they use the U.S. monetary system.
 - modern science began in Europe.
 - it is the only system with all of the base units they need.
 - they need to share a common system of measurement.
- _____ 7. The metric system is easy to use because it is built on powers of
- 1.
 - 2.
 - 10.
 - All of the above
- _____ 8. To prevent unwanted microorganisms from contaminating a lab, scientists need to use
- a microscope.
 - remote data collection.
 - sterile technique.
 - All of the above
- _____ 9. Which of these is *not* a safety procedure you should follow when working in a lab or doing field research?
- Always wear necessary safety equipment, such as safety goggles.
 - Have a global positioning system on hand at all times.
 - Never taste or smell any substance unless advised by an expert.
 - Pay attention to where you are walking.
- _____ 10. How many centimeters in a meter?
- 100
 - 200
 - 1,000
 - 0, since a centimeter is bigger