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SCIENTIFIC MEASUREMENT

Vocabulary Review

Match the correct vocabulary term to each numbered statement. Write the letter of the correct term on the line.

Column A

- _____ 1. the ratio of the mass of an object to its volume
- _____ 2. closeness of a measurement to the true value
- _____ 3. the mass of 1 L of water at 4°C
- _____ 4. difference between the experimental value and the accepted value
- _____ 5. the degree of hotness or coldness of an object
- _____ 6. the SI base unit of length
- _____ 7. a ratio of equivalent measurements
- _____ 8. a quantity that has both a number and a unit
- _____ 9. temperature scale on which water freezes at 0° and boils at 100°
- _____ 10. a way to analyze and solve problems, using the units of the measurements
- _____ 11. a method of expressing numbers as a product of a coefficient and a power of 10
- _____ 12. the SI unit of energy
- _____ 13. the capacity to do work or to produce heat

Column B

- a. Celsius scale
- b. measurement
- c. scientific notation
- d. joule
- e. energy
- f. error
- g. density
- h. kilogram
- i. accuracy
- j. meter
- k. temperature
- l. conversion factor
- m. dimensional analysis