

**Directions:** Complete the concept map using the following terms.

**hypothesis**

**meters**

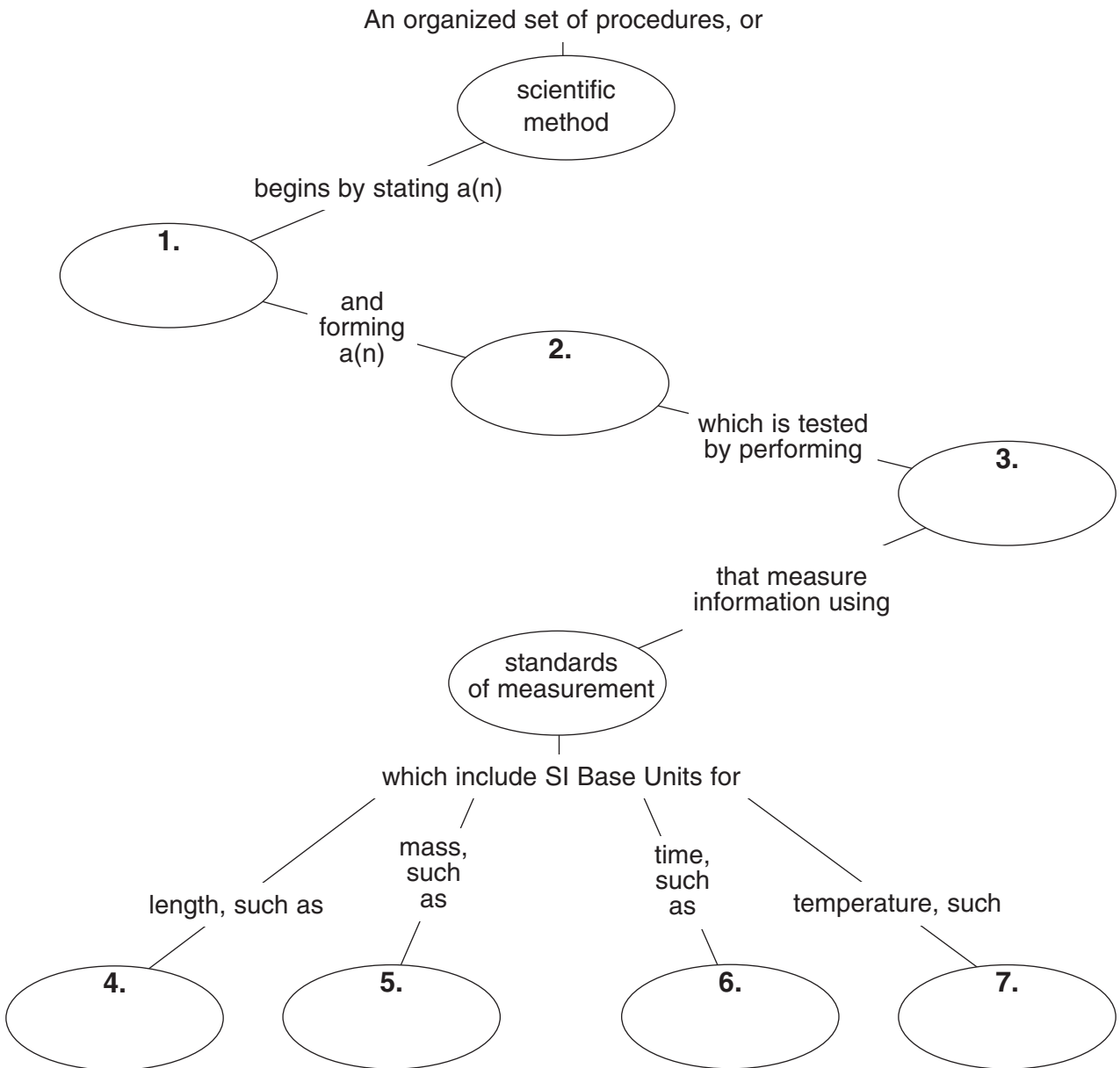
**problem**

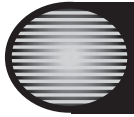
**experiments**

**grams**

**kelvins**

**seconds**





Directed Reading for  
Content Mastery

## Section 1 ■ The Methods of Science

## Section 2 ■ Standards of Measurement

**Directions:** In each of the following statements, a term has been scrambled. Unscramble the term and write it on the line provided.

- \_\_\_\_\_ 1. An exact quantity that people agree to use for comparison is a *ndtsarda*.
- \_\_\_\_\_ 2. A process that uses observation and experimentation to gain knowledge is *nseccie*.
- \_\_\_\_\_ 3. An explanation based on many observations supported by experimental results is a *yethor*.
- \_\_\_\_\_ 4. A statement about what happens in nature that seems to be true all the time is a *scenicifit wal*.
- \_\_\_\_\_ 5. An educated guess using what you know and observe is a *pythoshise*.
- \_\_\_\_\_ 6. An idea, event, or object that represents something that is being explained is a *domel*.
- \_\_\_\_\_ 7. A hypothesis can be tested by conducting an *pexetrimne*.
- \_\_\_\_\_ 8. The solution is not obvious, and important information is missing in a *blepmor*.
- \_\_\_\_\_ 9. Different SI units are combined to obtain a *rvidede tniu*.
- \_\_\_\_\_ 10. Mass per unit volume of material is *ndseyit*.
- \_\_\_\_\_ 11. A quantity that can have more than a single value is called a *lebirava*.
- \_\_\_\_\_ 12. Solving a problem involves finding missing *timrifonona*.
- \_\_\_\_\_ 13. SI is an abbreviation for *aiItonanerntl* System of Units.
- \_\_\_\_\_ 14. The amount of space occupied by a substance is its *lvuoem*.
- \_\_\_\_\_ 15. Absolute zero is zero on the *lKneiv lsace*.