

Module Assessment, Part 1



Circle the choice that correctly completes the sentence.

- 1** More sugar than salt will dissolve in a cup of water. Sugar has greater _____ than salt does.
- A. conductivity C. surface tension
B. solubility D. acidity
- 2** Suspensions and solutions are both examples of _____.
- A. elements C. mixtures
B. atoms D. compounds
- 3** All the elements in one column of the periodic table form a _____.
- A. compound C. element
B. period D. group

Answer the questions.

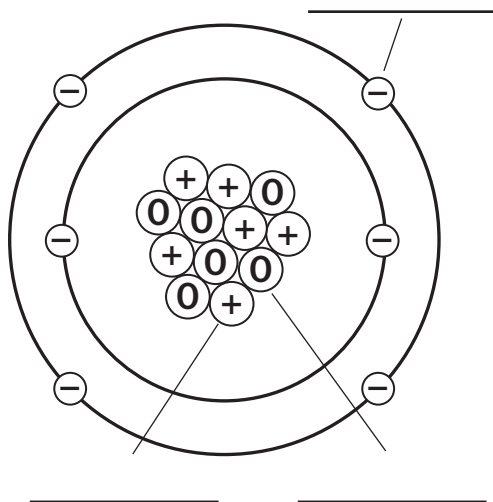
- 4** Why are plain water drops rounded on top? Why aren't soapy water drops as rounded?

- 5** In what two ways are elements arranged on the periodic table?

Module Assessment, Part 2



- 6 Look at the picture below. It shows an atom of a certain element. Identify the three kinds of particles that make up the atom.



- 7 Use the periodic table to find the following information for the element shown above.

Atomic number: _____

Name: _____

Symbol: _____

Metal, Nonmetal, or Metalloid: _____

Module Assessment, Part 3

**Materials:**

- 2 pH test strips
- 1 plastic cup
- 1 vial with Solution A
- 1 vial with Solution B

Use the test strips to determine the pH of each solution.

- 8 Solution A: _____
- 9 Solution B: _____
- 10 Is Solution A an acid or a base? _____
- 11 Is Solution B an acid or a base? _____

Combine both solutions in the plastic cup.

- 12 What evidence is there that a chemical reaction has occurred?

- 13 What is formed by the chemical reaction between an acid and a base?
