

Chapter 2

Text Pages 38–43

STUDY GUIDE

● Combinations of Atoms

Use the words in the box to complete the statements. You will use the words more than once.

molecule

compound

chemical properties

ions

mixture

- The components of a _____ can be separated by physical means.
- The _____ of an element determine how the element will change when it reacts with another element.
- A _____ is a substance that has different properties from the elements in it.
- Combined atoms form a _____.
- Electrically charged atoms are _____.
- Table salt is an example of a _____.
- An example of a _____ is salt water.
- Table salt is formed when the _____ of sodium and chlorine combine.
- Iron rusts when it comes in contact with water because of its _____.
- The atoms of hydrogen and oxygen combine to form a _____ of the compound water.

Identify the two atoms that are ions. Label the negatively charged ion with a minus sign. Label the positively charged ion with a plus sign.

11 protons
12 neutrons
10 electrons

8 protons
8 neutrons
8 electrons

17 protons
18 neutrons
18 electrons

