

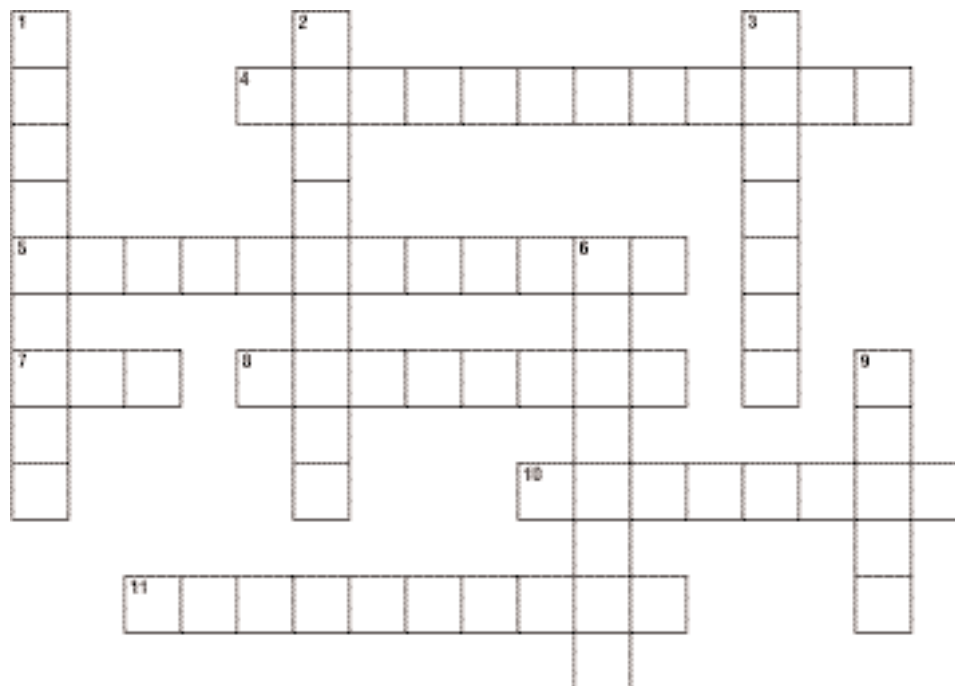


Chapter Review

Atomic Structure and Chemical Bonds

Part A. Vocabulary Review

Directions: Complete the crossword puzzle using the clues below.



Across

- The bond that forms between atoms when they share electrons
- Force that holds two atoms together
- An atom that is no longer neutral because it has gained or lost an electron
- A pure substance that contains two or more elements
- A neutral particle formed when atoms share electrons
- An electron _____ is the chemical symbol for the element surrounded by as many dots as there are electrons in its outer energy level.

Down

- Number to the lower right on an element symbol indicating number of atoms of that element
- The attraction that holds positive and negative ions together
- A combination of chemical symbols and numbers that shows what a molecule is made of
- Molecule that does not have two opposite ends or poles
- Molecule that has two opposite ends or poles

Part B. Concept Review

Directions: Fill in the blanks with the correct terms.

- Sodium chloride is an example of a(n) _____ because it contains two or more elements.
- An ionic compound, salt is a hard, crystalline substance in which the _____ and _____ ions are lined up in a regular pattern.