

Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
History of the Periodic Table of Elements

A. Choose the letter of the correct answer and write it in the blank provided before each number.

- _____ 1. What is Döbereiner's contribution to the development of the periodic table?
- A. Earth's elements
 - B. law of octaves
 - C. periodic law
 - D. triads of elements
- _____ 2. What is the contribution of Newlands in the development of the periodic table?
- A. Earth's elements
 - B. law of octaves
 - C. periodic law
 - D. triads of elements
- _____ 3. Which of the following is not part of the four categories of Antoine Lavoisier's first classification of elements?
- A. gases
 - B. metals
 - C. metalloids
 - D. nonmetals
- _____ 4. Which of the following scientists presented closely identical versions of arranging the elements based on their increasing atomic masses?
- A. Mendeleev and Meyer
 - B. Meyer and Lavoisier
 - C. Moseley and Döbereiner
 - D. Newlands and Moseley
- _____ 5. Antoine Lavoisier classified 33 elements based on the similarities of their properties. How many categories were developed by Lavoisier?
- A. four
 - B. seven
 - C. eight
 - D. fourteen
- _____ 6. Which of the following scientists first arranged the elements according to their increasing atomic numbers?
- A. Döbereiner
 - B. Lavoisier
 - C. Moseley
 - D. Newlands

____ 7. Which statement best describes Moseley's periodic law?

- A. The properties of the elements are repeated every triad.
- B. The properties of the elements are repeated every eighth element.
- C. The properties of the elements are periodic functions of their atomic masses.
- D. The properties of the elements are periodic functions of their atomic numbers.

____ 8. Which statement best describes Mendeleev's periodic law?

- A. The properties of the elements are repeated every triad.
- B. The properties of the elements are repeated every eighth element.
- C. The properties of the elements are periodic functions of their atomic masses.
- D. The properties of the elements are periodic functions of their atomic numbers.

B. Make a timeline to explain and illustrate the development of the periodic table following the format: year, name of the scientist and their contributions.

