

Name _____

The Puzzle Solvers: Pioneers of the Periodic Table

Multiple Choice Questions

1. Who is often credited as the father of the modern periodic table?
 - a) Antoine Lavoisier
 - b) Henry Moseley
 - c) Dmitri Mendeleev
 - d) John Newlands

2. What is the periodic law proposed by Mendeleev?
 - a) Elements are arranged in order of decreasing atomic mass.
 - b) Elements in the same group have similar atomic numbers.
 - c) When elements are arranged in order of increasing atomic mass, their properties exhibit periodicity.
 - d) Elements in the same period have the same chemical properties.

3. What did Henry Moseley propose as the fundamental property determining an element's position on the periodic table?
 - a) Atomic mass
 - b) Atomic number
 - c) Chemical properties
 - d) Density

4. How did Henry Moseley's work impact the periodic table?
 - a) He proposed the law of octaves.
 - b) He confirmed the existence of noble gases.
 - c) He reordered the elements based on atomic number.
 - d) He discovered the first radioactive element.

5. Which scientist extended the periodic table to include the actinide series and synthesized transuranium elements?
 - a) Antoine Lavoisier
 - b) Glenn T. Seaborg
 - c) Marie Curie
 - d) Pierre Curie

