

Name _____

The Ever-Expanding Periodic Table: Evolution Over Time

Short Answer

1. Explain how Dmitri Mendeleev's periodic table arrangement was based on atomic mass and the concept of periodic law.
2. Describe the role of Henry Moseley in the reorganization of the periodic table and the significance of using atomic number as the basis for this reordering.
3. How did the discovery of noble gases contribute to the expansion and understanding of the periodic table?
4. Discuss the challenges and implications of adding new elements to the periodic table as atomic numbers increase beyond uranium.
5. What is the modern periodic table, and how is it organized? Include an explanation of groups, periods, and the significance of atomic number.

