

Directed Reading A

Section: Arranging the Elements

1. Why do you think scientists might have been frustrated by the organization of the elements before 1869?

DISCOVERING A PATTERN

- _____ 2. Which arrangement of elements did Mendeleev find produced a repeating pattern of properties?
 - a. by increasing density
 - b. by increasing melting point
 - c. by increasing shine
 - d. by increasing atomic mass
3. When something occurs or repeats at regular intervals, it is called _____.
4. Mendeleev's table, which shows elements' properties following a pattern that repeats every seven elements, is called the _____.
5. How was it possible that Mendeleev was able to predict the properties of elements that no one knew about?
