

Name: _____

Topic 2.2: How does the periodic table organize the elements?

1. How many elements occur naturally on Earth? Give 4 examples
2. What distinguishes one element from another?
3. Many scientists were organizing the elements by their increasing atomic mass. How did Mendeleev organize the elements?
4. Why did Mendeleev leave gaps in his periodic table?
5. How was Mendeleev able to predict the properties of gallium and germanium?
6. What was Henry Moseley's contribution to the periodic table and what problem did it resolve?
7. How is the atomic number of an element related to the structure of an atom of that element?
8. What is the difference between a group and a period?

9. What makes hydrogen an unusual element?

10. List 5 pieces of information that are recorded on a typical periodic table.