

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

## Periodic Table of the Elements

Use your notes and a periodic table to complete the following activity on the Periodic Table of the Elements.

1. What determines the atomic number of an element?
2. What happens to the atomic number as you move across a period?
3. Generally what do the elements in a group have in common with each other?
4. Why are the lanthanide and actinide series placed at the bottom of the table?
5. What are the 4 main properties that metals all have?
  - a.
  - b.
  - c.
  - d.
6. Which 3 groups of metals are the most reactive?
7. What do these most reactive metals have in common?
8. How many elements are classified as nonmetals? \_\_\_\_\_
9. What are the 4 general properties of nonmetals?
  - a.
  - b.
  - c.