

Periodic Table

Name _____

Period _____

Directions: Use a Periodic table to find the information asked for below:

1. What is the atomic number of:

Calcium _____

Iron _____

Gold _____

Uranium _____

2. What is the Atomic mass of:

Calcium _____

Iron _____

Uranium _____

Copper _____

3. How many protons do the following have?

Calcium _____

Gold _____

Copper _____

Iron _____

4. How many electrons do the following have?

Gold _____

Iron _____

Copper _____

Uranium _____

5. Does mercury have more protons and electrons than tin?

6. Is mercury a heavier element than tin?

7. Does potassium have more electrons than neon?

8. Does hydrogen have more electrons than Uranium?

9. Which has more protons, sulfur or iodine?

10. Write the symbols or the names for each of these elements:

Chlorine _____

Copper _____

Potassium _____

Silver _____

Na _____

Sn _____

Zn _____

Helium _____

Iron _____

P _____

Ne _____

Mercury _____

FINDING THE PERIODS AND GROUPS

The names of five elements are listed below. Find each element in the Periodic Table. Then fill in the missing information.

| Period | Group | Element | Symbol | Atomic Number |
|--------|-------|-----------|--------|---------------|
| | | chlorine | | |
| | | potassium | | |
| | | neon | | |
| | | tin | | |
| | | krypton | | |

After you have completed the chart, answer the following questions about the elements on the chart.

1. Which of these elements are metals? _____
2. Which of these elements are nonmetals? _____
3. Two of these elements have many properties that are alike.
 - a) Name these elements. _____
 - b) We know they are alike because they are in the same _____
period, group
4. Name the metals that have properties like tin. _____

5. Name four elements that have properties similar to chlorine. _____

FILL IN THE BLANK

Complete each statement using a term or terms from the list below. Write your answers in the spaces provided. Some answers may be used more than once.

1869 group period sixty higher
Mendeleev Russia mass the same atomic number

1. The Periodic Table was put together by a man named _____ in the year _____.
2. The man who put together the Periodic Table came from _____.
3. The number of known elements in 1869 was _____.
4. The elements are listed according to _____.
5. Each element is given a number called its _____.
6. An atomic mass has to do with the _____ of an element.
7. A heavy element usually has a _____ atomic number than a light element does.
8. Elements in the same row across belong to the same _____.
9. Elements in the same up-and-down column belong to the same _____.
10. Elements of the same group have many properties that are _____.

COMPLETING SENTENCES

Choose the correct word or term for each statement. Write your choice in the spaces provided.

1. Elements in the same row across belong to the same _____
period, group
2. Elements in the same column down are members of the same _____
period, group
3. Elements that have many similar properties belong to the same _____
period, group
4. On the Periodic Table, metals are listed on the _____
right, left
5. On the Periodic Table, nonmetals are listed on the _____
right, left
6. There are more _____ than _____
metals, nonmetals metals, nonmetals
7. On the Periodic Table, elements are listed according to _____
alphabet, atomic number