

Name: _____

period: _____ Date: _____

The Periodic Table

Directions: Fill in the blanks on the right with the information in the chart below.

Word List

actinide series	Mendeleev
alkali metal	metal
alkaline earth metal	metalloid
atomic mass	Moseley
atomic number	noble gas
coinage metals	nonmetal
family	period
group	periodic table
halogen	representative elements
lanthanide series	transition element

_____ (1) _____ developed the first useful, chart-like arrangement of the elements and is known as the "Father of the _____ (2) _____". He listed the elements in order of increasing _____ (3) _____. The arrangement used today, devised by _____ (4) _____, differs from that first chart in that the elements are arranged in order of increasing _____ (5) _____. Each horizontal row of elements is called a(n) _____ (6) _____. Each vertical column is called a(n) _____ (7) _____, or, because of the resemblance between elements in the same column, a(n) _____ (8) _____.

In rows 4 through 7, there is a wide central section containing elements, each of which is called a(n) _____ (9) _____. Rows 6 and 7 also contain two other sets of elements that are listed below the main chart. These are called the _____ (10) _____ and the _____ (11) _____, respectively. Each of these elements, as well as those in the first two columns at the left end of the chart, is classified as a(n) _____ (12) _____. Each of the elements at the upper right side of the chart is classified as a(n) _____ (13) _____. The region of elements between these two main classification is called a(n) _____ (14) _____ because they have some properties in common with both. Those elements within the s and p block are collectively known as _____ (15) _____.

Each of the elements in the column labeled 1 is called a(n) _____ (16) _____. Each of the elements in the column labeled 2 is called a(n) _____ (17) _____. The elements in the column labeled 11 is called a(n) _____ (18) _____. Each of the elements in column 17 is called a(n) _____ (19) _____. Each of the elements in column 18 is called a(n) _____ (20) _____.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____