

Periodic Table Project

100 points

Directions: Use your copy of the periodic table and colored pencils to do the following.

1. Write the words actinides and lanthanides in black on the correct lines that are provided. (4 pts.)
2. Label the periods and groups with the appropriate numbers in black. (4 pts.)
3. Write the atomic numbers inside each box (at the top in the middle) in black ink. Use your agenda to do this accurately. (Leave space for the chemical symbols) (5 pts.)
4. Indicate the elements that are liquid by writing the chemical symbol in red. Use your text book pg. 113 (5 pts.)
5. Indicate the elements that are gases by writing the chemical symbols in orange. Use your text book pg. 113 (5 pts.)
6. Indicate the synthetic (man-made/not found in nature) elements by writing the chemical symbol in purple. These are 43, 61 and 93-118. Use the chemical symbols from your agenda. (5 pts.)
7. Write the chemical symbol for all of the other transition elements in black. (5 pts.)
8. Write the chemical symbol of all the other elements in blue ink. (5 pts.)
9. Color the squares of the metalloids in purple. (Use agenda to identify these elements) (5 pts.)
10. Color the squares of hydrogen light orange. (5 pts.)
11. Color the squares of the noble gases green. This includes 118. (5 pts.)
12. Color the square of the halogens yellow. This includes 117. (5 pts.)
13. Draw in the stair-step line that separates the metals from the nonmetals. Use black. (4 pts.)
14. Color the squares of the non-metals in Groups 14, 15, and 16 orange. (5 pts.)
15. Color the square of the lightest synthetic (man-made) element light blue. (5 pts.)
16. Color the squares of the alkali metals red. (5 pts.)
17. Color the squares of the alkaline earth metals blues. (5 pts.)
18. Color half of the square of the heaviest naturally occurring element light green and the other half pink. (5 pts.)
19. Color the squares of the metals in Groups 13, 14 and 15 pink. These are 13, 31, 49, 50, and 81-84 (5 pts.)
20. Draw arrows (above groups 3-12) indicating increasing metallic properties in blue. (4 pts.)
21. Draw arrows (above groups 3-12) to show increasing atomic mass in red. (4 pts.)