

2.6 - Periodic Trends worksheet

Name _____

I. Short answer

1. Label each group on the periodic table.
2. Explain what valence electrons are.
3. Explain what makes an element stable?

II. Answer the questions using the symbols on the periodic table

1. What elements are in period 5?

What element(s) is a

_____ 2. halogens	_____ 6. transition metals
_____ 3. lanthanides	_____ 7. alkali metals
_____ 4. alkaline earth metals	_____ 8. actinides
_____ 5. noble gases	

What elements are in the sublevel

— 9 s — 11. d
10 p 12. f

What elements are

_____ 13. metals,
_____ 14. nonmetals
_____ 15. metalloids,
_____ 16. Which element is the most reactive nonmetal?
_____ 17. Which element is the most reactive metal?
_____ 18. Which element below is the least reactive?
_____ 19. Which element has the largest radius in period 4?
_____ 20. Which element has the largest radius in the Alkali metals family?
_____ 21. Which element has the highest ionization energy in period four?
_____ 22. Which elements has the second largest atomic number?
_____ 23. Which element has the largest atomic mass?
_____ 24. Which element is located at period 4, group 15?
_____ 25. Which element is located at period 5, group 2?
_____ 27. Which elements will form +1 ions?
_____ 28. Which group of metals will have the same properties
_____ 29. Which group of nonmetals will have the same properties
_____ 30. On the back, define all chapter 5, section 3 vocabulary terms.

