

Name _____
Integrated Science

Periodic Table Review Sheet

1. What is the difference between an element and a compound?
2. What is the difference between an atom and a molecule?
3. What are valence electrons? What do valence electrons determine about an atom?
4. What is a chemical symbol? Give an example.
5. How are elements arranged on the Periodic Table?
6. What is an atomic number? An atomic mass?
7. Give the number of protons, electrons and neutrons in one atom of Carbon.
8. What are groups on the periodic table? How many are there?
9. What is significant about elements in a group?
10. What are periods on the periodic table? How many are there?

11. When are atoms considered to be stable?
12. Looking at the Periodic Table, how can you determine if an element is a metal, metalloid or nonmetal?
13. What state of matter are most metals when at room temperature?
14. What group are the alkali metals? Why are they never found uncombined in nature?
15. How many valence electrons do alkaline earth metals have?
16. Where are the transition metals located on the periodic table?
17. What are metalloids? Where are they located on the periodic table?
18. What group are the halogens? How many valence electrons do the halogens have? Explain why the halogens are so reactive.
19. What group are the noble gases? Why are they considered inactive?
20. What are isotopes? Give an example.