

Name: _____

Period: _____

HW3:1 Guided Reading
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Assigned: Thurs., 10/5 and Fri. , 10/6
Due: Tues., 10/10 and Wed. , 10/11

1. Alkali metals are very _____, so much so that sodium must be stored in oil. Why oil?
 2. Transition metals have a fixed or a varied number of valence electrons?
 3. All transition metals can do what?
 4. Give special properties of mercury.
 5. Fluorine, Bromine, and Iodine are known as what family of elements?
 6. What kind of compounds do the noble gases form?
Begin again on p. 108.
 7. What are chemical bonds?
 8. Can water ever be HO or H₃O? Why?
Begin again on p. 116.
 9. What are ionic bond (how are they formed)?
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10. Do ionic bonds occur between metals and non-metals OR between non-metals and non-metals?
11. Do ionic bonds exist as individual molecules, or do they attract one another?
12. What happens to ionic compounds when dissolved in water?
13. Do covalent bonds occur between metals and non-metals OR between non-metals and non-metals?
14. When covalent molecules are dissolved, do they conduct electricity?
15. Do covalent bonds share or transfer electrons?
16. True or false: atoms can only share one electron each?