

Name: _____

HW3:3 Oxidation #s and Lewis Dots Diagrams

Assigned: Thurs., 10/12 and Fri., 10/13

Period: _____

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Due: Mon., 10/16 and Tues., 10/17

1. Metals are on the _____ side.
 2. Nonmetals are on the _____ side.
 3. Metals tend to _____ electrons.
 4. Nonmetals tend to _____ electrons.
 5. Losers of electrons become _____.
 6. Gainers of electrons become _____.
 7. Give the oxidation numbers for the following elements.
 - A. O = _____
 - B. Li = _____
 - C. Be = _____
 - D. Al = _____
 - E. F = _____
 - F. N = _____
 8. Give the number of valence electrons for the following.
 - A. O = _____
 - B. Li = _____
 - C. Be = _____
 - D. Al = _____
 - E. F = _____
 - F. N = _____
 9. Draw a Lewis Dot Diagram for Oxygen.
 10. Draw a Lewis Dot Diagram for Helium.
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Use your periodic table to answer the following:

11. How many protons does Cobalt have?
12. What element has 65 protons?
13. What is the atomic mass for Chlorine?
14. What is the chemical symbol for Mercury?
15. An atom has 22 protons and 20 electrons.
Is it an ion or neutral?
16. Given C_2O_4 .
 - A. How many Carbons are there?
 - B. How many Oxygens are there?
 - C. Is it a covalent or ionic compound?
 - D. Name the compound.
17. Given MgO .
 - A. How many Magnesiums are there?
 - B. How many Oxygens are there?
 - C. Is it a covalent or ionic compound?
 - D. Name the compound.