**Honors Chemistry**

**Periodic Trends Worksheet 3**

1. Arrange in order of increasing electrical conductivity: Ge, Ca, S, and Si.
2. Arrange in order of increasing nonmetallic character: Se, Ag, Sn, F, and C.
3. Arrange the following oxides in order of increasing acidity: CO­2, CaO, Al2O3, SiO2.
4. Metal oxides react with water to form…? With acids to form…?
5. Nonmetal oxides react with water to form..? With bases to form…?
6. What does sodium react with oxygen to form?
7. What does potassium react with oxygen to form?
8. Describe the reactivity of the alkaline earth metals with H2O.
9. Describe the metallic character of the chalcogens.
10. What is the most common compound for sulfur?
11. Why does xenon react with Fluorine whereas neon does not?

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