**C3e2HW- Metallic Properties**

1. List 4 different properties of metals caused by metallic bonds.
2. Distinguish malleability and ductility. State an example of when each property would be useful.
3. Explain how free valence electrons allow electricity to flow through a metal. (Why do metals conduct electricity?)
4. Explain how metallic bonds in a staple make it function correctly. (Why are metallic bonds best for staples and their jobs?)