***Periodic Table Practice***

1. Precious metals are naturally-occuring elements with a high economic value. Locate the chemical symbol of each of these precious metals (ex: Zinc = Zn)
2. Gold = d) Copper =

b) Platinum = e) Palladium =

c) Silver =

1. What group, or family of elements, are these precious metals found in? (*Hint: check the labels you added to the periodic table!*)
2. Semiconductors are materials that have an electrical conductivity less than metals like copper but greater than nonmetals. The two most commercially-used semiconductors are silicon and germanium.
3. What is the chemical symbol of Silicon and Germanium?
4. Are these elements metals, nonmetals or metalloids?
5. Rare earth metals produce some of the strongest magnets known on Earth. They are hard to find because they are dispersed throughout Earth’s crust. Write the name of each of these rare earth metals:
6. Pr = b) Nd = c) Sm =
7. Bromine is one of the few elements that is a liquid at room temperature.
8. What is the chemical symbol of Bromine?
9. Is bromine a metal, a nonmetal or a metalloid?
10. What group, or family of elements, is bromine in?
11. Elements with atomic masses in brackets are radioactive and unstable. The atomic mass represents the most stable isotope. List the names and symbols of three of these elements.
12. Table salt has a chemical formula of NaCl. What two elements is it made of?
13. Some elements have been given symbols based on their Latin name. Find three elements whole symbols and English names do not match.