**Covalent Homework: Properties of Covalent Compounds**

1) Why do I liken the structure of covalent compounds to those of Tylenol capsules while I liken the structure of ionic compounds to Lego blocks? How are the properties of each type of compound similar to each of these?

2) Why do ionic compounds have much higher melting and boiling points than covalent compounds?

3) Why does Mr. Guch often refer to covalent compounds as being “soft and squishy?” Does this have anything to do with the structure of covalent compounds, or is he just a weird person?

4) Explain why covalent compounds much more likely to burn than ionic compounds.

5) Which dissolves better in water: Ionic or covalent compounds? Explain your reasoning.