**Properties of Ionic Compounds Quiz – General**

1. Why aren’t ionic compounds malleable like metals? (3 pt)
2. Determine whether the compounds below are most likely ionic or not ionic: (2 pt each)

* A compound with a melting point of -80 degrees Celsius and sinks in water.
* A compound that and a rubbery texture.
* A compound that conducts electricity as a solid.
* A compound that forms large, purple crystals.

1. Why are ionic compounds brittle? (3 pt)
2. Why do ionic compounds generally have low melting points? (3 pt)
3. I’m interested in building a monument to myself that will sit in front of the school. Given the properties we’ve discussed, would it make sense to use an ionic compound to make this statue? Explain. (5 pt)