**Honors: Substances, Properties and Changes Quiz**

1. Define the following terms (2 pt each)

* Compound:
* Homogeneous mixture:
* Chemical property:
* Extensive property:

1. Explain why chemical properties always have to be intensive properties (5 pt).
2. If 38 grams of a substance has a volume of 29.8 cubic centimeters, what is the density of the substance? (3 pt)
3. If I had 83.2 grams of the substance in problem 3, what would its density be? (3 pt)
4. Identify the following as being either chemical or physical changes: (1 pt each)

* A child falls out of a tree and breaks its arm
* The pages of an old book turn yellow with age
* The milk in the refrigerator goes sour
* A supercar crashes into a 7-11 and bursts into flames.