**Honors: Substances, Properties and Changes – Makeup**

1. Define the following terms (2 pt each)

* element:
* heterogeneous mixture:
* physical property:
* extensive property:

1. Explain why physical properties are never also chemical 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 volume be? (3 pt)
4. Identify the following as being either chemical or physical changes: (1 pt each)

* A child burns its fingers on the stove.
* The pages of a book fall out when it’s picked up.
* Mayonnaise spoils and turns black.
* A poodle’s collar needs to be replaced because it has corroded.