**Stoichiometry / Limiting Reagent Quiz: Honors**

1. I’m going to do a chemical reaction where silver nitrate combines with beryllium chloride to make silver chloride and beryllium nitrate.
2. Write the balanced equation for this process (1 pt):
3. If I combine 50 grams of silver nitrate with 60 grams of beryllium chloride, how many grams of silver chloride will I make? (9 pt)
4. What is the limiting reagent? (1 pt) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. How much of the excess reagent remains after the reaction has completed? (5 pt)
6. If I actually make 25 grams of silver chloride, what’s my percent yield? Is this reasonable? Explain. (4 pt)
7. Define the following terms: (2 pt each)

* limiting reagent:
* stoichiometry: