**Mini-quiz #2 Chemistry 1114 section 2 (Fong) 30 August 2013 4 pts A**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. What is the `popular’ name of J.J. Thomson’s atomic model\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. An alpha particle is really what atomic species ? (include charge) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Which experiment (the name) by Rutherford effectively `killed’ the Thomson model ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Briefly explain what observation in the above experiment was hardest to explain with

Thomson’s model.

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1. What is the `popular’ name of Rutherford’s experiment?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. An alpha particle is really what atomic species ? (include charge) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which scientist was first to propose an atomic model based on observation?

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1. Briefly explain how Rutherford’s famous experiment disproved the Plum Pudding model