**Ernest Rutherford Video Questions**

**Instructions**
While watching the *Founders of Chemistry* Video about Ernest Rutherford, answer the following questions:

1. What specific science did Ernest Rutherford help create through his experiments?

2. What three different types of radiation did Rutherford discover and name?

3. How long did Rutherford experiment with alpha particles?

4. What is radiation?

5. Describe JJ Thomson’s plum pudding model of the atom.

6. Describe Rutherford’s model of the atom.

7. Why did some of the alpha particles bounce back to the source during Rutherford’s gold foil experiment?

8. Whose model of the atom overturned Rutherford’s model?