Atomic Structure  Bell Ringer

1. Place the atomic models in order of their atomic discoveries. Starting with the earliest.
   
   a. Electron cloud model
   b. Plum pudding model
   c. Nuclear model
   d. Solid sphere model
   e. Quantum model

   Correct order:

2. Decide whether the following statements are true or false. If the statement is correct, then leave it as is. If the statement is false, correct it to make it true.

   a. Thomson discovered the neutron.

   b. Atoms primarily consist of empty space.

   c. Rutherford used alpha particles in his experiments

   d. Protons are able to change energy levels.

   e. Chadwick discovered that electrons prevent the nucleus from breaking apart.

3. Choose one model from the following list and describe one of its key findings.
   
   - Electron cloud model
   - Plum pudding model
   - Nuclear model
   - Solid sphere model
   - Quantum model