

- 1. **D** Elements are made of atoms that cannot be divided.
- 2. **R** Used gold foil to show that the positive charges in an atom must be in a tiny region in its center
- 3. Found that atoms contain positively and negatively charged particles
- 4. Suggested that atoms had negatively charged electrons embedded in a positive sphere, such as raisins in a muffin
- 5. **B** Model resembled planets orbiting the sun or layers of an onion
- 6. U Thought that atoms of one element could not be changed into atoms of another element
- 7. **R** Determined that nearly all an atom's mass is located in the nucleus
- 8. B Showed that electrons had only specific amounts of energy which allowed them to move in certain orbits
- 9. **R** Used the term protons to refer to the positively charged particles found in the nucleus of an atom
- 10. <u>C</u> Lower energy levels are found near the nucleus with higher energy levels further away
- 1.  $\Box$  Determined that electrons are found in energy levels around the nucleus
  - **M** Atoms contain a neutral particle called a neutron

12.









