

NAME:

1. **Reading Material “Atomic Theory - Review”** (can be found on the school website on our class homework page).

2. **Based on Reading Material, match atomic model’s name to its description:**

NAME

- a. Plum Pudding model
- b. Planetary model
- c. Wave (electron cloud) model

DESCRIPTION

- i. Electrons in atoms move around the nucleus in definite orbits, much like planets circling the Sun.
- ii. Atom has a small positively charged nucleus surrounded by a large region in which there are enough electrons to make an atom neutral; electrons do not have definite paths around the nucleus.
- iii. Atoms contain negative particles - electrons - embedded in positive medium.

3. What part of atomic structure **defines a chemical element?**

4. What is **isotope**? Give an **example**. (A sketch would be great!)