**Historical Models of the Atom Summarize models and any key experiments using the organizer below**

| **Drawing + Labels:**  Democritus’ Atomic Model Year: \_\_\_\_\_ | | | Dalton Year: \_\_\_\_\_    Model name \_\_\_\_\_\_\_\_\_\_\_\_\_  1. All matter is made up of tiny indivisible particles called: .  2. All atoms of the same element ar the same in , mass, etc.  3. Atoms of different elements are different in and  .  4. Atoms of different elements combined in small whole number ratios to form  .  5. In chemical reactions, atoms are not created or .  They are or . | Thomson Year: \_\_\_\_\_    Model name \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| --- | --- | --- | --- | --- |
| **Reasoning/Evidence (summarize experiments here):** | | |  |  |
| **Reasoning/Evidence against:** | | |  |  |

| **Drawing + Labels:**  Rutherford Year: \_\_\_\_ | Bohr Year: \_\_\_\_ | Quantum Mechanics Year: \_\_\_\_\_\_  \*\* quantum will be covered later in unit and you can summarize it here |
| --- | --- | --- |
|
| **Reasoning/Evidence (summarize experiments here):** |  | **Evidence:** |
| **Reasoning/Evidence against:** |  |  |