

Name: _____

Date: _____

History of the Atom Worksheet

Identify who was the first scientist to propose the idea or make the discovery with regards to the atom.

1) Atoms cannot be created, destroyed or divided into smaller particles.

2) Most of the atom is empty space.

3) Atoms contain negatively charged particles.

4) Discovered the nucleus.

5) Discovered the electron.

6) Discovered the proton.

7) Discovered the neutron.

8) Electrons give off or absorb energy when they moved from one orbit to another.

9) Proposed the "plum pudding" model of the atom.

10) Compounds are created when atoms of different elements link together in specific ways.

11) The number of electrons surrounding the nucleus equals the number of protons in the nucleus.

12) Electrons occupy specific energy levels or shells.

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Answers

- 1) Atoms cannot be created, destroyed or divided into smaller particles. Dalton
- 2) Most of the atom is empty space. Rutherford
- 3) Atoms contain negatively charged particles. Thomson
- 4) Discovered the nucleus. Rutherford
- 5) Discovered the electron. Thomson
- 6) Discovered the proton. Rutherford
- 7) Discovered the neutron. Rutherford
- 8) Electrons give off or absorb energy when they moved from one orbit to another. Bohr
- 9) Proposed the "plum pudding" model of the atom. Thomson
- 10) Compounds are created when atoms of different elements link together in specific ways. Dalton
- 11) The number of electrons surrounding the nucleus equals the number of protons in the nucleus. Rutherford
- 12) Electrons occupy specific energy levels or shells. Bohr