



### Across

- 3** The basic building block of matter. (4)
- 5** His "plum pudding" model of the atom showed the existence of electrons. (last name only) (8)
- 6** The \_\_\_ atomic model shows electrons in fixed circular orbits around the nucleus. (4)
- 8** Atomic particle with a positive charge. (6)

### Down

- 1** The \_\_\_\_\_ model depicts three three-dimensional structure of the atom. (two words) (8,5)
- 2** In 1803, he proposed that the atom is the indivisible unit of an element. (6)
- 4** In 1911, Rutherford demonstrated that the nucleus contains nearly all of the \_\_\_\_\_ of the atom. (4)
- 7** Smaller particles that make up protons and neutrons. (6)