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Part I: Match the name on the right with the correct statement on the left. You will use some names more than once.

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1	_ His model of the atom the Electron Cloud Model.	A. Aristotle
2	_ He discovered the nucleus.	B. Bohr
3	_He put electrons into energy levels.	C. Dalton
4	_ He designed his atomic model after the solar system.	D. Democritus
5	_ He said atoms of different elements have different properties.	E. Rutherford
6	_ He believed that matter is continuous.	F. Stoney
7	_ He discovered the electron.	G. Thomson
8	_ He discovered that the atom is mostly empty space.	H. Schrödinger
9	_ He used math to explain the location and energy of the electrons in an atom.	I. Einstein
10	He is the Father of the Atomic Theory.	J. Planck
11	_ His model is called the quantum mechanics model.	K. Heisenberg
12	_ He fixed Rutherford's model.	L. de Broglie
13	He used polonium and gold foil in his famous experiment.	M. Millikan
14	He used a cathode ray tube to make his discovery.	N. Chadwick
15	He discovered the neutron.	
16	_ He used the term "atomos" to describe an indivisible part at the base of all matter	r.
17	He named the electron.	
18	He wrote that atoms of different elements combine to form compounds in a simp	le whole number ratio.
19	He discovered the wave nature of the electron.	
20	He designed a mathematical equation for the model of the atom.	
21.	He determined the charge of the electron.	
21 22 23	_ He deduced the relationship between the energy and frequency of radiation.	
23	He proposed that light could be described as quanta of energy that behave as part	icles.
Part II: Write the last name of the atomic theorist that answers each of the following questions.		
1	Which scientist is responsible for the quantum mechanics model?	
2	Which scientist used a cathode ray tube and a magnet in his famous ex-	xperiment?
3	Who designed the "Plum Pudding Model" of the atom?	

4	_ Who developed the formula E=hv?
5	_ Who is called the Father of the Atomic Theory?
6	_ Who discovered the nucleus?
7	_Who wrote, "all matter is made up of indivisible, indestructible atoms"?
8	_ Who put electrons in energy levels?
9	_ Who discovered the electron?
10	Who discovered that the atom is mostly empty space?
11	Which scientist determined the charge of the electron?
12	Which scientist proved the existence of neutrons?
13	Who designed his model of the atom after the solar system?
14	Who used Planck's constant to show how light can behave as a particle?
15	Who is the first to write an atomic theory based upon experimentation?
16	Who wrote that it is impossible to know exactly both the location and velocity of a particle at the same time?
17	Who discovered that the nucleus has a positive charge?
18	Who claimed that atoms of the same element have the same physical and chemical properties?
19	Who was able to deduce the relationship between energy and frequency of radiation?
20	Which theorist would NOT have been considered an atomist?
21	What is the name of J.J. Thomson's model of the atom?
22	Who was the first to suggest the idea of atoms?
23	Whose atomic model consisted of negatively charged electrons inside an overall neutral atom?
24	Who discovered the wave nature of the electron?
25	Who used Planck's ideas to improve upon Ernest Rutherford's atomic model?
26	Which scientist performed the "oil drop experiment"?
27	Who developed the first mathematical model of the atom?
28	Who discovered that energy emitted by a resonator could only take on discrete values?
29	Who proclaimed that atoms cannot be subdivided, created or destroyed when involved in chemical reactions?