

MODELS OF THE ATOM - 3/3 = 3/14
- 1/15 = 7/16

Name _____

	DALTON	THOMSON	RUTHERFORD	BOHR	ELECTRON CLOUD Current Model
1. Draw a picture of the model					
2. General description					
3. Date proposed		end of 1800's	early 1900's	1913	1926
4. Analogy to food or object	pool ball	- chocolate chip - cookie dough - plum-pudding !!	peach	onion	fan at high speed
5. How the model was discovered				X	X
6. What was known about the particles in the atom (protons, neutrons, electrons)					

Answer the following questions based upon the chart.

1. Describe how the models gradually progressed to our current understanding of the atom. Our current understanding is the electron cloud model.

2. What do we know now (according to the electron cloud model) is incorrect about Thomson's idea of electrons?

3. How was Bohr's theory of electron movement incorrect (according to our current model)?

4. What important information about the nucleus did Rutherford discover?
