

## Discovery of the Atom

Use the answer bank to place the correct phrase with the correct scientist's name

*Democritus*

*Dalton*

*Thompson*

*Rutherford*

### Answer Bank

- Discovered the nucleus
- Discovered the electron
- Came up with the term "atom" from "atomos"
- Came up with atomic theory
  - Plum pudding model
  - Gold foil experiment
- Atoms are solid spheres
- Disagreed with Aristotle

Using your periodic table, fill in the missing information in the following chart

Element	Symbol	Mass Number	Protons	Electrons	Neutrons
	C		6	6	
Nitrogen			7	7	
	Si		14	14	
Beryllium			4	4	
	Li		3	3	
Sodium			11	11	
	Ca		20		
	Cr		24		
Copper		64	29	29	35
Antimony				51	
	Br		35		
	Te		52		
	Kr	84			
Potassium		39			
Magnesium					
Manganese					
	Ga				
				16	16
				30	35
				81	123
				83	126
			78		
			79		
		201			
		207			

Isotope Quiz

<i>Isotope</i>	<i>Element Name</i>	<i>Protons</i>	<i>Neutrons</i>	<i>Electrons</i>
Ac-220				
Ca-42				
Ca-40				
Cs-135				
Ne-10				
Ne-22				
Sn-117				
Si-28				
Si-30				
V-50				