

Complete the table to show the properties of each sub atomic particle

Particle	Relative Charge	Relative Mass
Proton		
Neutron		
Electron		

Define the term isotope

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Define these keywords

Keyword	Definition
Element	
Compound	
Mixture	

Describe JJ Thomson's theory of the atom.

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Describe Rutherford's Gold leaf experiment.

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In the space below draw an atom and label it with the keywords

Draw the electron structure for the following elements.

Lithium

Sodium

Chlorine

Oxygen

Complete these word equations. For each reaction write a balanced symbol equation underneath



Atomic Structure and Periodic Table

Describe each separating technique and give an example of where each can be used.

Separating Technique	Description	Example
Filtrating		
Evaporation		
Distillation		
Chromatography		

State the observations Rutherford saw in his Gold leaf experiment and the conclusions he made.

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