

## Unit 9 - Exercise 2 - Charged Particles

Part 1 - Use your Bohr model cards and periodic table to fill in the table below.

Element	Electrons in Atom	Electrons in outside circle of Bohr model	Group Number on Periodic Table
Aluminum			
Sodium			
Chlorine			
Beryllium			
Silicon			
Oxygen			
Argon			
Phosphorous			

1. Compare your results from columns 3 and 4. What conclusion can you draw?

Part 2 - Use your periodic table to fill in the table below.

Element	Protons in Element	Electrons in Element	Valence Electrons	Explain what will happen to this element to achieve stability	Electrons in element after it becomes stable	Charge of element after it becomes stable
Aluminum						
Sodium						
Chlorine						
Beryllium						
Silicon						
Oxygen						
Argon						

Phosphorus						
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2. Explain why and how atoms become charged.