

Class activity | The Secondary Stage of (6-8)

1st Semester | 2023-2024

Subject: Chemistry

Chapter7: Atomic configuration

Objectives:

To be able to write the atomic configuration of the first 20 elements

To be able to find group number/ period number using the atomic configuration

Activity 1: Fill in the table below

Element	Symbol	Atomic number	Atomic configuration	Group number	Period number
Argon					
Silicon					
Sodium					
Helium					
Chlorine					

Activity 2: What is the atomic configuration of an element in group 6 period 3?

Activity 1: Fill in the table below

Element	Symbol	Atomic number	Atomic configuration	Group number Number of electrons in the outer shell	Period number Number of orbits
Argon	Ar	18	2,8,8	8	3
Silicon	Si	14	2,8,4	4	3
Sodium	Na	11	2,8,1	1	3
Helium	He	2	2	8 (If an element has a full outer shell, then it is a noble gas)	1
Chlorine	Cl	17	2,8,7	7	3

Activity 2: What is the atomic configuration of an element in group 6 period 3

