

# General Chemistry

## Thermochemistry II

by

Aini Norhidayah Mohamed  
[ainin@ump.edu.my](mailto:ainin@ump.edu.my)

# Exercise

- Construct a Born-Haber cycle for the formation of calcium fluoride,  $\text{CaF}_2$  from the data below :

<b>Enthalpy of atomization of calcium</b>	<b>+ 150kJ/mol</b>
First ionization energy of calcium	+ 650 kJ/mol
Electron affinity fluorine	- 375 kJ/mol