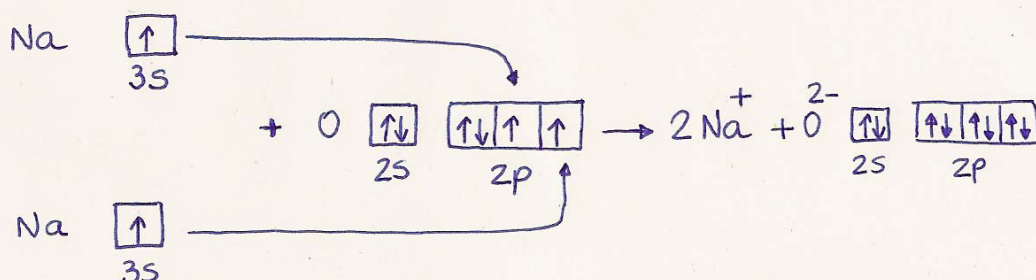


2 Exercises: Depicting Ion Formation

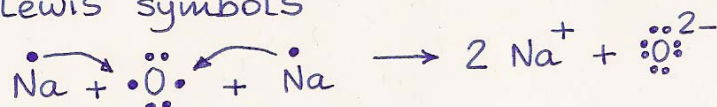
Use partial orbital diagrams and Lewis symbols to depict the formation of ions from the atoms and determine the formula of the compound.

Example: Na + O

a) partial orbital diagrams



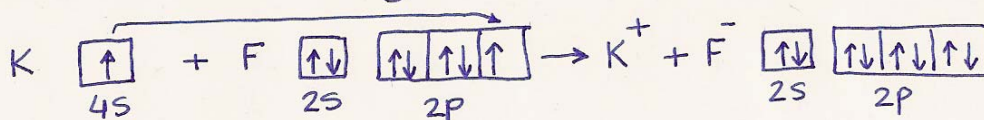
b) Lewis symbols



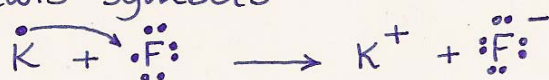
The formula is Na_2O

1 K + F

a) partial orbital diagrams



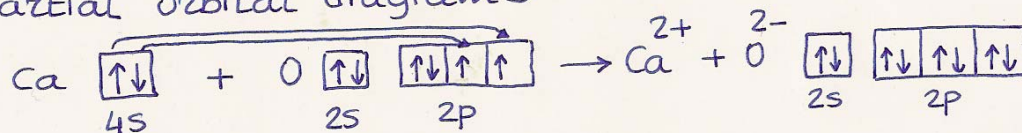
b) Lewis symbols



The formula is KF

2 Ca + O

a) partial orbital diagrams



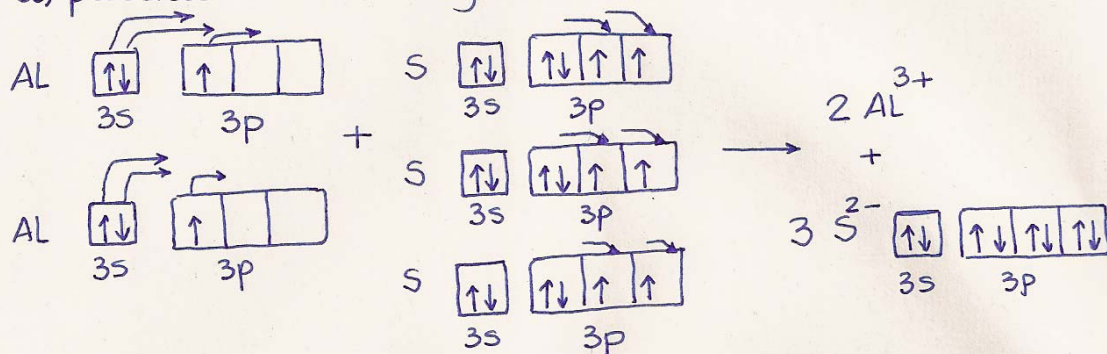
b) Lewis symbols



The formula is CaO

3 Al + S

a) partial orbital diagrams



b) Lewis symbols

