**COSTAATT**

**CHEM 090**

**Lesson 6 – Homework**

1. Explain why atoms bond with one another.

2. Define ionic bonding.

3. Use shell diagrams to represent the ionic bonding between sodium and oxygen to form sodium oxide, Na2O.

4. Calcium forms an ionic bond with fluorine to form a compound.

(a) Give the name of the compound.

(b) Give the formula unit of the compound.

(c) Use shell diagrams to represent the ionic bonding between calcium and fluorine to form the compound.