**COSTAATT**

**CHEM 090**

**Lesson 5 – Homework**

1. (a) What is the collective name for all the elements in Group II?

(b) What is similar in the electronic configuration of the elements in Group II?

(c) Does the reactivity of the elements in Group II increase or decrease down the group?

2. (a) What is the collective name for all the elements in Group VII?

(b) What is similar in the electronic configuration of the elements in Group VII?

(c) How does the reactivity of the elements in Group VII change as one moves up the group?

3. Chlorine, bromine and iodine are part of Group VII of the Periodic Table.

(a) Explain what is meant by a *Group* of the Periodic Table.

(b) The first member of Group VII is fluorine, which is a gas at RTP. What colour is fluorine gas likely to be?