

CH3041 Tutorial 8

Air, Water and ASS Pollution

Name:

1. **Relative warming potentials** are used to assess the importance of the various greenhouse gases that are introduced into the atmosphere in large quantities through human activity.
 - List three greenhouse gases and explain how they operate to enhance the greenhouse effect.
 - List the RWPs for the gases you have chosen and explain why they differ for each gas.
2. Describe the major chemical processes that result in the formation of a "**London**" **smog**, include the key compounds and the physical conditions required for such a smog to form.
 - What measurements would you expect to carry out to declare a smog event?
3. Explain the function of a three-way catalytic converter in reducing **photochemical smog**.

