

## Introduction to Air Pollution

Topic: Air Pollution	Module: Sources of air pollution
<p>This module will explain the sources of air pollutants focusing on the seven pollutants of concern as stated in the Air Quality Strategy for England, Scotland, Wales and Northern Ireland (Defra, 2007).</p> <p>Aims – the aims of the module are to: Provide learners with basic knowledge on sources of air pollutants; Describe the main sources of air pollution in the UK; Outline relevant air pollution legislation on stationary and mobile sources.</p> <p>Intended learning outcomes – by the end of this module students should be able to: Explain the sources of major air pollutants in the UK; Examine the importance and limitation of stationary and mobile European and UK based air quality legislation.</p>	

Topic: Air Pollution	Module: Effects of air pollution
<p>This module will examine the effects of outdoor air pollution on public health, focusing on the seven pollutants of concern as stated in the National Air Quality Strategy (Defra, 2007).</p> <p>Aims – the aims of the module are: To provide learners with an understanding of the effects of exposure to air pollutants; To contextualise air quality limit values/objectives as driven by health studies; To highlight some of the other inequalities posed by exposure to poor air quality.</p> <p>Intended learning outcomes – by the end of this module students should be able to: State the health effects of the seven pollutants of concern; Explain the basis for limit values/objectives within air quality legislation; Identify ways in which to manage air quality from a health perspective.</p>	

<b>Topic: Air Pollution</b>	<b>Module: Air pollution chemistry</b>
<p>This module provides a basic introduction to the main areas of atmospheric chemistry as they relate to common air pollutants.</p> <p>Aims – the aims of the module are to provide an understanding of the chemical structure, formation and reactions relating to the most common pollutants.</p> <p>Intended learning outcomes – by the end of this module students should be able to understand the ways in which the main pollutants of concern to public health, act in the atmosphere.</p>	

<b>Topic: Air Pollution</b>	<b>Module: Air pollution meteorology</b>
<p>This module looks at the relationship between meteorology (weather) and air pollution.</p> <p>Aims – the aims of the module are to: Provide an understanding of the structure of the atmosphere; Describe the dominant processes that result in a dynamic atmosphere; Demonstrate how these processes relate to what we understand as “weather”.</p> <p>Intended learning outcomes – by the end of this module students should be able to: Describe the different parts of the atmosphere; Interpret descriptions of meteorological phenomena; Visualise key atmospheric processes and their impacts.</p>	