



# Physical Science

SETON HOME STUDY SCHOOL

**Lesson Plan ♦ Answer Keys ♦ Tests ♦ Quarter Report Forms**



## Course Manual

SCI301\_15A

**Day 2**

Read and study from page 28 through page 32. Stop at the section entitled **ON YOUR OWN**. Keep notes in your notebook.

**Day 3**

Read and study from page 32 through page 36. Start at the section entitled **ON YOUR OWN**, and stop at the section entitled **Global Warming**. Keep notes in your notebook.

**Day 4**

Read and study from page 36 through page 41. Start at the section entitled **Global Warming**, and stop at the section entitled **Parts Per Million**. Keep notes in your notebook.

Dr. Leslie Woodcock is professor emeritus at the University of Manchester, England. His area of expertise is chemical thermodynamics. He is a highly respected scientist, the founding editor of the scientific journal, Molecular Simulation, a Fellow of the Royal Society of Chemistry, and once worked directly for N.A.S.A. in the United States. In a recent interview he declared that “The theory of ‘man made climate change’ is an unsubstantiated hypotheses.” “The theory is that CO<sub>2</sub> emitted by burning fossil fuels causes ‘global warming.’ In fact, water is a much more powerful greenhouse gas and there is 20 times more of it in our atmosphere.” “Carbon dioxide has been made out to be some kind of toxic gas, but the truth is it’s the gas of life. We breathe it out, plants breathe it in.” “The temperature of the earth has been going up and down for millions of years. If there are extremes, it’s nothing to do with carbon dioxide in the atmosphere, it’s not permanent and it’s not caused by us. Global warming is nonsense.”

A recently published report by the Heartland Institute refuted a paper published by the U.N.’s Intergovernmental Panel on Climate Change (IPCC). The Heartland report was based on the findings of 37 scientists from 12 countries. The U.S. Environmental Protection Agency, based on the U.N. report, has declared CO<sub>2</sub> to be a pollutant that “endangers public health.” The Heartland report disputes that and declares that “Carbon dioxide is not a pollutant but a naturally occurring chemical compound that benefits plants, and thus, the planet and its inhabitants.” The paper further reported that “One of the overall important findings of our report is that atmospheric CO<sub>2</sub> is not a pollutant. It is a colorless, odorless, tasteless gas that offers many biospheric benefits. ... Rising levels of CO<sub>2</sub> are increasing agricultural productivity around the world, therefore increasing food security.”

**Day 5**

Read and study from page 41 through page 44. Start at the section entitled **Parts Per Million**, and stop at the section entitled **Air Pollution**. Keep notes in your notebook.

**WEEK FOUR****Module 2: Air (Chapter 2)****Day 1**

Read and study from page 44 through page 47. Start at the section entitled **Air Pollution**. Keep notes in your notebook.

**Day 2**

Read and study from page 48 through page 50. Keep notes in your notebook.

**Day 3**

Review the answers to the ON YOUR OWN exercises on pages 51 - 52.

**Day 4**

Work through the STUDY GUIDE FOR MODULE #2, on pages 53-54. Study for the Test on Chapter 2.

**Day 5**

Take the test on Chapter 2 (Module 2).

**WEEK FIVE****Module 3: The Atmosphere (Chapter 3)****Day 1**

Read and study from page 55 through page 57. Keep notes in your notebook.

**Day 2**

Read and study from page 58 through page 60. Stop at the section entitled The Layers of the Earth's Atmosphere. Keep notes in your notebook.

**Day 3**

Read and study from page 60 through page 63. Start at the section entitled The Layers of the Earth's Atmosphere. Keep notes in your notebook.

**Day 4**

Read and study from page 64 through page 66. Keep notes in your notebook.

**Day 5**

Read and study from page 67 through page 69. Stop at the section entitled The "Hole" in the Ozone Layer. Keep notes in your notebook.

**WEEK SIX****Module 3: The Atmosphere (Chapter 3)****Day 1**

Read and study from page 69 through page 73. Start at the section entitled The "Hole" in the Ozone Layer, and stop at The Heterosphere. Keep notes in your notebook.