Chapter 1 Web Links

Size and Scale: Introduction
A discussion of what size is, the importance of size, and the relative sizes of things.

Ask the Experts: What Is Homeostasis?
The regulation of their internal environment is one of the features common to all life-forms. Homeostasis is the term that is used to refer to this regulation.

Introduction to the Bacteria
From the University of California Museum of Paleontology's website devoted to bacteria, one of the two types of prokaryotic cells.

Introduction to the Archaea
From the University of California Museum of Paleontology's website devoted to archaea, one of the two types of prokaryotic cells.

Introduction to the Eukaryota
From the University of California Museum of Paleontology's website devoted to eukaryotic cells.

Evolution Entrance
An introduction to evolution and the evolution of evolution.

What Is "Good Science"?
A site that helps you understand what makes good science.

Discovery, Chance, and the Scientific Method
Science and the discovery of penicillin.

Science, Delusion, and the Appetite for Wonder
The site contains the text of a November 1996 British television lecture by Richard Dawkins. The lecture is aimed at a general audience and addresses the nature of science, stressing how it is progressive. Dawkins discusses why many people, particularly those with a background in the arts and humanities, dislike science, suggesting that their dislike is based on misunderstanding. Dawkins comments on a number of literary sources. Many of the targets he criticizes are British, but the issues are international. The text is accessed via the Third Culture page, which has comments on the lecture by science celebrities.

Baloney Detection
The first of a two-part article on how to tell the difference between science and pseudoscience.

More Baloney Detection
The second part of an article that helps you learn how to distinguish between science and pseudoscience.

The Origin of Species
The full text of Darwin's On the Origin of Species by Means of Natural Selection.

Reporting Scientific Work
A brief summary of how the results of scientific work are reported.

The Scientific Method
This page presents a brief tutorial on the scientific method.

On Being a Scientist: Responsible Conduct in Research
An online handbook that explains what it means to be a responsible scientist.

The Decline of Reason?
Jere Lipps explains how science is done and how it can be used as a perspective from which to view the world.

Using the Scientific Method to Improve Your Social Life
A very practical application of the scientific method.

Experimental Science Projects: An Intermediate Level Guide
A detailed explanation of the scientific method.