This laboratory is divided into 3 parts.

Part 1 is to be done BEFORE you come to your weekly laboratory class.

Part 1, which also appears in your lab book, follows next. If there are internet links in Part 1, you can click on those links to go to that assigned web page.

For Part 1, you should write your answer(s) in the space(s) provided in your lab book and bring those answers to your lab class ... or submit your answers otherwise as requested.

In the abbreviated Parts 2 and 3 (below), only the internet link(s) appear in this online version. For the full exercises in Parts 2 and 3, see your lab book.
Concepts of Science – SCMH 1010

LABORATORY 11 – ECOSYSTEMS

Part 1. Laboratory preparation

Before starting this laboratory, you are required to read Chapter 19 in your textbook, *The Sciences*, by Trefil and Hazen.

Activity 1-1 – Background reading

To prepare you for this laboratory, please read carefully the textbook excerpt on ecology and ecosystems at the following link:

http://www.auburn.edu/academic/classes/scmh/1010/Ecology.php

**WARNING** – Do NOT also click on the link at the top of this page titled “Student activity.”

Once you have read this excerpt several times, please answer the following 7 questions.
Concepts of Science – SCMH 1010

LABORATORY 11

Part 1. Laboratory preparation

Activity 1-1 – Background reading, continued.

1. What is an ecosystem?

2. What are the main abiotic components of an ecosystem?

3. What is a trophic level and where does the energy come from?

4. What is the carbon cycle?

5. What is an ecological niche?
Concepts of Science – SCMH 1010

LABORATORY 11

Part 1. Laboratory preparation

Activity 1-1 – Background reading, continued.

6. What is homeostasis?

7. What is the law of unintended consequences? Research and then describe an example that is different from the excerpt reading.

► Write your answers IN YOUR LAB BOOK and bring them to your lab class or submit as your lab teacher asks.
NOTE – This is the end of the typically required pre-lab preparation work. After finishing this work, you are expected to look ahead at Parts 2 and 3 in your lab book before going to your weekly laboratory.

However, your lab teacher may require you to do additional pre-lab work beyond this point. If so, please do that assigned work and bring it to lab along with Part 1. All lab work should be written in your lab book.

The following abbreviated versions of Parts 2 and 3 of this laboratory contain the internet web links, if any, that are given in your lab book. These are clickable links.

THE FOLLOWING PAGES NOT COMPLETE VERSIONS OF PARTS 2 and 3 IN YOUR LAB BOOK. AGAIN, ONLY WEB LINKS FOLLOW.
Part 2. Laboratory activity

SEE YOUR LAB BOOK FOR ALL QUESTIONS.

HERE IS THE CLICKABLE LINK IN THIS PART -

http://www.blueplanetbiomes.org/world_biomes.htm
Part 3. Laboratory retrospective activity

SEE YOUR LAB BOOK FOR ALL QUESTIONS.

NO CLICKABLE LINKS IN THIS PART.