**APES Study Guide**

**Food Resources and Pesticides**

Vocabulary:

It is necessary that you know the meaning of the following terms in order to answer application and evaluation questions on your upcoming assessment. You may write out the definition, make notecards (handwritten or digital), use the online vocabulary resources or simply review the terms in your notes. It is YOUR responsibility to ensure that you know these terms!

Monoculture Recombinant DNA Pollination

Pesticide treadmill Bt crops Broad-spectrum pesticide

Biological control Overfishing Sustainable agriculture

Short Answer:

You are REQUIRED to answer each of the following questions on separate paper. ALWAYS write in complete sentences. Use both your class notes AND your textbook for reference.

1. Summarize the positive and negative results of the green revolution.
2. Describe how insect populations develop resistance to pesticides through the process of natural selection.
3. How was the cactus moth used in Australia for biocontrol?
4. What is the main idea behind IPM?
5. Where in the world is the most land area devoted to GM crops? What do recent findings show regarding the impact of GM crops on biodiversity?
6. Name one benefit and one drawback to the process of aquaculture.
7. WHY is it more energy efficient to eat a plant-based diet?
8. What is the benefit to organic farming? How must livestock be raised in order to be considered organic?