Test 2 Study Guide Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Plant Evolution**

What is the order that plants evolved?

How are mosses different from other higher plants?

How are gymnosperms and angiosperms different?

What is unique about ferns?

**Entomology**

The head of an insect has many unique features. What are three parts of an insect head?

How many wings does an insect have?

What are 5 insects involved in pollination?

**Soil Science**

What are the three mineral components of soil?

What are the 4 parts of soil?

How do you use a soil triangle? What is considered the best soil texture?

What is a soil mixture that is 30% silt, 30% clay, and 40% sand?

What are 5 different soil additives? What do they each do to the soil?

**Plant Nutrients**

What are the three primary macronutrients? How are they written on fertilizers (what order)?

What secondary macronutrient is found in chlorophyll?

What is the difference between synthetic and organic fertilizers?

Is compost a slow-release or fast-release fertilizer?

What are two advantages of using compost instead of fertilizer?

What are greens and browns? Give two examples of each.

What should you NOT use in compost?

**Integrated Pest Management**

What is cultural control? Give one example.

What is mechanical control? Give one example.

What is biological control? Give one example.

What is chemical control? Give one example.

**Leaf Parts**

What is the difference between a pinnate and a palmate leaf?

What kinds of plants have parallel venation?