Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions:

-Use the Scantron Form to answer the multiple-choice questions.

-Below: Answer 2 of the 3 short long questions. Also answer 1 of the 2 long response questions.

**SHORT ANSWER QUESTIONS: (choose 2 of the 3 options) 10 pts each.**

**25. Describe the closest relative of plants by describing several features which they share with plants.**

**Also, identify the 4 groups of plants, describe a key adaptation for the group, and provide an example of each group.**

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**26.**

Plants have two body systems. Identify them. Also, plants have 3 organs, identify them. Also, describe the 3 main types of tissues and their respective functions.

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**27.**

Ground tissue consists of three main cell types: **parenchyma**, **collenchyma**, and **sclerenchyma**.

Describe two characteristics of each cell type.

Describe the function of each cell type.

**LONG RESPONSE QUESTIONS: Choose 1 of the 2 options (10 pts).**

**28.**

A typical flower has four whorls of structures, all of which are modified leaves. Describe each whorl and what their function is for the plant.

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**29.**

Describe how water and minerals are pulled up to the leaves in xylem. Explain the cohesion-tension theory and how transpiration plays a role.