**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_\_\_\_\_**

**2nd Quarter Benchmark: “Growing and Flowing” Unit**

**Using your Discovery Education account, complete the following questions (in complete sentences) and vocabulary.**

**Essential Questions**

1. How do flowering plants survive, reproduce, and defend themselves?
2. How do the processes of respiration, photosynthesis and transpiration allow organisms to survive?
3. How do plants survive in harsh or changing environments?

1. How does energy cycle through organisms on Earth?
2. How is the sun connected to life on Earth?
3. How do abiotic factors affect organisms?
4. How do different organisms survive in different biomes?

**Essential Vocabulary: Write complete definitions for words.**

Flower Structure

Pollination

Fertilization

Photosynthesis (Chlorophyll/Chloroplast, Glucose)

Respiration

Transpiration (Stomata/Guard Cells)

Abiotic

Biotic

Food Web

Food Chain

Energy Pyramid

Survival Mechanisms (Transpiration/Tropism/Dormancy/Limiting Factors)

Biomes

Levels of Organization (Population/Community/Ecosystem/Organism/Habitat)