

Name: _____ Date: _____ Period: ____

Summer Home Learning Assignment for Comprehensive Science II

Answer the following questions, in your own words. Type all responses and submit to your respective Comprehensive Science II teacher.

1. Think back to your science fair project last year. What problem were you trying to solve? How did you test your hypothesis? What was your TEST (independent) variable and OUTCOME (dependent) variables? What were your constants? What conclusions did you reach?
2. You may be taking a trip this summer. Imagine that you are on the airplane, about to fly to an exotic location. How do acceleration, speed and inertia work to overcome the forces of gravity and air resistance during the take-off?
3. Sketch the steps of the rock cycle and label accordingly.
4. The Everglades is a unique ecosystem in South Florida. Create a food web using organisms found in the Everglades. Use arrows to show how energy is flowing throughout the food web. Label any animals involved in a predator-prey relationship.