Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_

**Lesson 2 Resource Availability**

**Lesson Question:** *What do organisms need to live, grow, and reproduce? How is the number of organisms in a population related to the things they need to live, grow, and reproduce?*

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| **A. What activity did we do?** | We used a model that simulates the effects of resource availability on individual health and population growth. We were split into two groups; one group had many packing peanuts the others had fewer. We then tried to scoop as many peanuts as we could and place them in our cups. Students who collected the least, died. |
| **B. What evidence did we gather?** | The people in the group with \_\_\_\_\_\_\_\_\_\_ peanuts were more likely to survive each round. Most of the ‘dead’ organisms came from the group with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  |
| **C. My answer to the lesson question:** | Plants need \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and nutrients to survive and reproduce. Animals need \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to survive and reproduce. The more resources there are the \_\_\_\_\_\_\_\_\_\_\_\_\_likely an organism is to survive and reproduce. The group that had \_\_\_\_\_\_\_\_\_\_\_\_ peanuts were more likely to survive because they had \_\_\_\_\_\_\_\_\_\_\_resources. When more individuals survive and reproduce the population tends to get \_\_\_\_\_\_\_\_\_\_\_\_\_ because there are older individuals and more babies being born. When there are fewer resources, some individuals do not get the resources they need to survive or reproduce. This causes the population to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **D. Connecting my ideas to the Unit Challenge:** | *What does your organisms need to live, grow, and reproduce? How is the number of organisms in a population related to the things they need to live, grow, and reproduce?* |