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

**Lesson 3 Competition**

**Lesson Question:** *What happens to organisms and their populations when they must share limited resources with other organisms?*

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| **A. What activity did we do?** | We used a model that simulates the effects of competition on individual health and population growth. We were split into two groups, one group shared a big pile of marshmallows but had many individuals, and the other had a small pile of marshmallows but only a few people. Each round we had to scoop marshmallows into cups and after each round people with the fewest marshmallows ‘died’.  |
| **B. What evidence did we gather?** | We found that \_\_\_\_\_\_\_\_\_\_\_\_people from the smaller pile group ‘died’. Almost all of the deaths came from the group with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_pile of marshmallows. This was because there was more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_for the marshmallows, all the marshmallows always got eaten before time was up. This made it \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_for the smaller group to survive. |
| **C. My answer to the lesson question:** | When organisms share limited resources they \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_to get that resource for themselves. Competition \_\_\_\_\_\_\_\_\_\_\_\_\_individuals, because it makes it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to get the resources you need to survive and reproduce. Competition causes populations to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_because fewer individuals are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **D. Connecting my ideas to the Unit Challenge:** | *What happens to your organism and its populations when it must share limited resources with other organisms?* |