**Journal 1-3: Jelly Bean Bug Data and Homework**

**Table 1: Jelly Bean Bug Population Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Red | Green | Yellow | Pink | Purple |
| Generation 1 | 8 | 8 | 8 | 8 | 8 |
| Generation 2 | 6 | 12 | 12 | 6 | 16 |
| Generation 3 | 12 | 18 | 18 | 2 | 28 |
| Generation 4 | 16 | 30 | 34 | 2 | 48 |
|  |  |  |  |  |  |

**Figure 1: Graph of Jelly Bean Bug Population over 4 generations.**

**Analysis**

1. What are some types of variation in the jellybean bug population? What was the main factor in deciding which jellybean bug you picked?
2. What type of jellybean bug is the best adapted for survival? Support your answer with data from the lab.
3. What did the surviving jellybean bugs get to do that eaten ones could not?
4. In this simulation what is the predator and what is the prey?
5. How did the jellybean bugs interact with their environment? How did this population change over time?
6. What type of real world adaptation could help a prey species to survive?