**"Beadle" Hunt Lab**

**Background:** Create a word block for the following words in your notebook. Be sure to fill in all parts of the word block. You may use your textbook and brain but not online resources.

|  |  |
| --- | --- |
| **Word:**  **ADAPTATION** | **Definition:** |
| **Picture/Illustration:** | **Written Example:** |

|  |  |
| --- | --- |
| **Word:****HABITAT** | **Definition:** |
| **Picture/Illustration:** | **Written Example:** |

**Introduction**: In this lab, you will test how adaptation and survival work by using beads as your prey. You will hunt for the beads in different-colored "habitats" to test whether some beads do better in certain habitats than others. Then you can discover which beads are best suited to survive in each habitat. Your habitats are symbolized by the 5 different colored sheets of paper that is on your table. (white, green, blue, yellow, and red). Your stomach is symbolized by the small cup placed on your table, this is what you will put your captured prey in.

**Data:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HABITAT COLOR** |  |  |  |  | **# of BEADS EATEN** |
|  | RED BEADS | BLUE BEADS | GREEN BEADS | PURPLE BEADS | ORANGE BEADS | PINK BEADS | WHITE BEADS | YELLOW BEADS |
| **RED** |  |  |  |  |  |  |  |  |
| **BLUE** |  |  |  |  |  |  |  |  |
| **GREEN** |  |  |  |  |  |  |  |  |
| **YELLOW** |  |  |  |  |  |  |  |  |
| **WHITE** |  |  |  |  |  |  |  |  |

**Directions: PICK ONE PERSON IN YOUR GROUP TO BE THE "BEAD EATING BIRD"**

Step 1: When directed, pour all your beads out of your baggie onto ONE habitat that I have assigned (i.e the red, blue, white, yellow, or green habitat)

Step 2: When I say GO you will have 10 seconds to pick up as many beads as you can and place them in your "stomach". You may only use 2 fingers and your other hand must remain behind your back.

Step 3: When I say STOP you must stop collecting beads, and count the number of beads **remaining** separated by color. For example, you may have 3 yellow, 6 red, 2 green etc. remaining.

Step 4: When you have counted and recorded the amount of each colored bead on your data table, you will empty out the contents of your cup and the remaining beads back into your baggie, and repeat the process for a different assigned habitat.

**Conclusion Questions:**

1. What did you observe about the number of beads eaten and the colored paper they lived on?
2. What was different about the white habitat? Did you notice any kind of pattern in the color of prey eaten?
3. Give an example of an animal that uses the kind of adaptation observed in this lab.
4. Plants and animals use all kinds of adaptations to survive. Other than coloration, brainstorm other types of adaptations.