Instructions for “Bug Eaters” lab

In this exercise, there are 5 vertebrate predators and 5 insect prey. Each predator eats one and only one type of prey and no prey is eaten by more than one predator. Your job is to match the predators to the prey.

1. Press the green flag to start

2. Press “Set Up”. This will randomly eliminate several of the animals. Each time you do this is a separate “experiment”.

3. Press “Play”. If the predator for a particular prey insect is present, the insect will disappear.

4. Repeat steps 2 and 3 until you figure out all of the matches.

5. For each “experiment” record (on the sheet below) the following:

A. The experiment (which species are present)

B. The result (which species disappear, if any)

C .Your conclusion(s) if any.

When you are finished press “The answers” to check your results. Were you correct?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Experiment | Predators | Prey | Prey gone | Conclusion(s)? |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Black Bat | Brown Bat | Parrot C | Frog D | Duck E |
| Purple Head Butterfly |  |  |  |  |  |
| Purple Beetle  |  |  |  |  |  |
| Green Head Butterfly |  |  |  |  |  |
| Spotted Beetle |  |  |  |  |  |
| Orange Head Butterfly |  |  |  |  |  |

Does this lab use inductive or deductive logic? Explain.