

Unit 2 Handout _____

Lesson 4: Food Color Preference of the Cabbage White Butterfly

Purpose: Set up an investigation that finds if the color of food affects which food butterflies eat.

Guiding Questions: How do food characteristics affect an organism's choice of food?

Read pages 70-71 before beginning.

Investigation Planning	
Question(s) we will try to answer: <i>How does food color affect a butterfly's food preference?</i>	
What we are testing; what we will change (independent variable):	What we will measure to (dependent variable):
What I think will happen and why (hypothesis):	
Materials we will use in this investigation:	How we will make this a fair investigation (control; limit variance):
How we will design the investigation:	

Name

Period

Date

Data

It is important first to discuss how we will collect our data. Counting every sample will take too much time and be too much work. So, how do we collect data that is valid while also saving us time?

Create a data table below to record the results of the investigation.

Conclusion

In the space below, write a claim, support it with evidence, and write an analysis that connects your evidence to your claim.