

Unit : Handout :  
2 : \_\_\_\_\_ :

*Lesson 4: Observing the Adult Cabbage White Butterfly*

**Purpose:** Make observations observations of the adult cabbage white butterfly, relate functions to its structures, and describe adaptations it has to its environment.

---

**Guiding Questions:** How is the body of the adult cabbage white butterfly adapted to survival?

**Part One.** Obtain a preserved cabbage white butterfly. Create a general drawing of its body (and label it with the diagram provided on your table). Then, create a detailed drawing of the head (use the microscope) and label the parts as needed.

**Part Two.** Answer the following questions about the adult butterfly. Use the handout on your table to assist you in defining the structures and providing functions for these structures.

1. Describe how the cabbage white butterfly is able to locate food sources.
2. How are the legs adapted to helping the cabbage white butterfly survive?
3. How are the wings adapted to helping the cabbage white butterfly survive?
4. What is the function of the spiracle?

**Part Three.** All arthropods (e.g. insects, arachnids, crustaceans, etc.) go through metamorphosis. There are two types of metamorphosis: complete and incomplete. Find an online resource that describes the differences between the two types of metamorphosis and write a CEA argument for which type the cabbage white butterfly goes through.