

Name _____ Teacher _____ Date _____

3.3: Observing Plants in the Light and Dark Worksheet

Use this worksheet to complete the investigation about plants in the light and dark and to record your observations, measurements, and class results.

A. Steps in the investigation: Check the box as you complete each step.

- Set up containers to observe plants in the light and dark. Your group may have your own container, or your whole class could share containers. Each container should have:
 - Growing plants
 - A Petri dish with blue BTB
 - A Petri dish with yellow BTB
- Close the containers, putting half of them in a well-lighted place and half of them in a dark box or closet.
- Come back the next day to observe changes in the color of the BTB.

B. Observations during the investigation: Record your observations in the table below.

Plants in the Light	Plants in the Dark
Time (hours or days after first putting the plants and BTB in the container): _____	Time (hours or days after first putting the plants and BTB in the container): _____
Changes in color of blue BTB: _____	Changes in color of blue BTB: _____
Changes in color of yellow BTB: _____	Changes in color of yellow BTB: _____

C. Results for the whole class

Make notes about how the observations and measurements of other groups compared to yours. Describe patterns in your class data.

1. Changes in color of the BTB for plants in the Light:

2. Changes in color of the BTB for plants in the Dark:
