Plant Test Lab

Predict plant growth and use test results as evidence.

L.1.3A "Students will demonstrate an understanding of what plants need from the environment for growth and repair. Conduct structured investigations to make and test predictions about what plants need to live, grow, and repair including water..."

NAME _____ DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 MAKE PREDICTIONS

a	**wilt**	**bloom**	**grow**
b	**green**	**purple**	**pale**

2 USE RESULTS

a	**wind**	**nutrients**	**shade**
b	**space**	**wind**	**shade**

ANSWER KEY

Plant Test Lab

GRADE 1 · L.1.3A

HOW TO RUN THIS PAGE

Read each plant test aloud so students can predict or compare results without reading the choices independently. This sheet supports an investigation lesson: students consider tests that change one condition at a time and explain what the results show. Listen to each student's oral explanation and record any support separately.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 · MAKE PREDICTIONS

SAY "I will tell you about two plant tests. In each test, only one thing changes. Listen, then circle what you predict."

ROW	SAY	STUDENTS CIRCLE
a	Two bean plants have the same soil, sunlight, and room. One gets water. The other gets no water for many days. Your choices are wilt, bloom, and grow. What do you predict the plant without water will do?	**wilt**
b	Two bean plants have the same soil, water, and room. One gets sunlight. The other stays in the dark for many days. Your choices are green, purple, and pale. What color do you predict the plant in the dark will become?	**pale**

PART 2 · USE RESULTS

SAY "Now listen to the results of two more plant tests. Circle what helped each plant grow more leaves. After each row, tell me which plant grew more leaves and how you know."

ROW	SAY	STUDENTS CIRCLE
a	Two plants get the same water, sunlight, and room. One gets extra nutrients in its soil. After four weeks, that plant has five new leaves. The other has two new leaves. Your choices are wind, nutrients, and shade. Which extra thing helped the plant grow more leaves?	**nutrients**
b	Two plants get the same water, sunlight, and soil. One has lots of room. The other is crowded by plants. After four weeks, the plant with room has five new leaves. The crowded plant has two new leaves. Your choices are space, wind, and shade. Which thing helped a plant grow more leaves?	**space**

WHAT TO ACCEPT

Predictions: wilt, pale. Results: nutrients, space. For each oral explanation, accept identification of the plant with five new leaves and a comparison with the plant that had two.