Grade 2 | SCIENCE

WEEK 4 • PRACTICE WORKBOOK • DAYS 16–20

Read the matching lesson in the Week 4 Student Textbook first. Write each answer on the line below its question. Day 20 is answered on your own.

Day 16: Do Plants Need Light?

Light test plan

	Plant 1	Plant 2
Kind of plant	Pea	Pea
Water	Same each day	Same each day
Room temperature	Same	Same
Place	Sunny window	Dark cupboard

1. What is the variable in this test?

   Answer:

2. Name one thing that stays the same.

   Answer:

3. Predict how Plant 2 will look after two weeks, and explain why.

   Answer:

Day 17: Measuring Plant Growth

Light test results (height in centimeters)

Day	Plant 1 (sunny window)	Plant 2 (dark cupboard)
Day 1	2 cm	2 cm
Day 7	6 cm	7 cm, pale yellow
Day 14	11 cm	9 cm, thin, yellow, falling over

1. How tall was Plant 2 on Day 7?

   Answer:

2. How much did Plant 1 grow from Day 1 to Day 14?

   Answer:

3. Plant 2 was taller on Day 7. Explain why that does not mean it was healthier.

   Answer:

Day 18: Comparing Results

Leaf count on Day 14

	Plant 1 (sunny window)	Plant 2 (dark cupboard)
Number of leaves	10	4
Leaf color	Dark green	Pale yellow
Stem	Thick and upright	Thin and bent

1. How many more leaves did Plant 1 have than Plant 2?

   Answer:

2. Describe the stem of Plant 2.

   Answer:

3. Compare the two plants using at least two kinds of observations.

   Answer:

Day 19: Drawing a Conclusion

Question and evidence

Question: Do pea plants need light to grow well? Evidence from Days 17 and 18: The plant in the sunny window grew 11 cm tall with 10 dark green leaves and a thick stem. The plant in the dark cupboard was thin and pale yellow, had 4 leaves, and was falling over.

1. What question did the test ask?

   Answer:

2. Name one piece of evidence from the plant in the cupboard.

   Answer:

3. Write a conclusion for the light test that includes evidence.

   Answer:

Day 20: Independent Check: Light and Plant Growth

Sam's sunflower test

	Sunflower 1	Sunflower 2
Water	Same each day	Same each day
Sunlight	8 hours a day	2 hours a day
Height after 3 weeks	24 cm	13 cm
Leaves	Large and green	Small and light green

Answer on your own. An adult may read the questions aloud but should not give the answers.

1. What was the variable in Sam's test?

   Answer:

2. How much taller was Sunflower 1 than Sunflower 2?

   Answer:

3. Write a conclusion for Sam's test and include evidence.

   Answer: