Name: Date: Score: / 8

Plant Growing Tests: Learn and Practice

Plan a fair test with plants

Read each question. Circle the best answer.

💡 Plant Experiments

- Scientists test one thing at a time to see what plants need.
- Keep everything else the same so the test is fair.
- Measure and record how the plants grow.
- same plant, same soil, one in sun and one in a dark box: a fair test of light

1 📝 Why should you write down how tall your plants are each day?

A. To make them grow faster

B. To keep bugs away C. To change the weather

D. To compare how they grow

2 A plant gets too much water every day and its roots sit in a puddle. What may happen?

A. It will grow huge flowers

B. It will need more water

C. The plant may get sick D. It will glow

3 In a plant test, why use two plants of the same kind?

A. So they can talk B. So they grow flowers

C. So the test is fair D. So they need no water

4 🌱 Two bean plants got the same light and soil. The one with no water wilted. What does this show?

A. Light makes plants wilt

B. Soil makes plants wilt C. Plants need no water

D. Plants need water

5 A plant kept in a dark cupboard turns pale and weak. What was it missing?

A. Toys B. Wind C. Music D. Light

6 You test light. One plant is by a window and one is in a closet. What should be the SAME?

A. Nothing at all B. Amount of light

C. Water, soil and plant type

D. Where they are placed

7 📏 What tool helps you measure how tall a plant grows?

A. A thermometer B. A magnet C. A ruler

D. A spoon

8 💧 You want to test if plants need water. What should you do?

A. Water neither plant B. Paint one plant

C. Water one plant and not the other

D. Water both plants the same

ANSWER KEY

Plant Growing Tests: Learn and Practice (answers)

Plan a fair test with plants

Read each question. Circle the best answer.

1 📝 Why should you write down how tall your plants are each day?

A. To make them grow faster

B. To keep bugs away C. To change the weather

D. To compare how they grow

Recording data lets you look back and compare. That is what scientists do!

2 A plant gets too much water every day and its roots sit in a puddle. What may happen?

A. It will grow huge flowers

B. It will need more water

C. The plant may get sick D. It will glow

Roots need air too. Soggy soil can make roots rot and the plant sick.

3 In a plant test, why use two plants of the same kind?

A. So they can talk B. So they grow flowers

C. So the test is fair D. So they need no water

If the plants are the same kind, any difference comes from what you are testing.

4 🌱 Two bean plants got the same light and soil. The one with no water wilted. What does this show?

A. Light makes plants wilt

B. Soil makes plants wilt C. Plants need no water

D. Plants need water

Only water was different, so the test shows the plant needed water to stay healthy.

5 A plant kept in a dark cupboard turns pale and weak. What was it missing?

A. Toys B. Wind C. Music **D. Light**

Plants need light to make their food and stay green and healthy.

6 You test light. One plant is by a window and one is in a closet. What should be the SAME?

A. Nothing at all B. Amount of light

C. Water, soil and plant type

D. Where they are placed

Only light should change. Keeping water, soil and plant type the same makes the test fair.

7 📏 What tool helps you measure how tall a plant grows?

A. A thermometer B. A magnet **C. A ruler**

D. A spoon

A ruler measures length, so it shows how many centimeters tall the plant is.

8 💧 You want to test if plants need water. What should you do?

A. Water neither plant B. Paint one plant

C. Water one plant and not the other

D. Water both plants the same

To test water, one plant gets water and one does not. Then you compare them.