Name: _____ Date: _____

A Seed Grows

Circle group

A bean seed is small and dry. But in the seed is a tiny plant. It waits to grow.

Plant the seed in soft, wet soil. The seed drinks the water. It gets big. Then the seed coat cracks.

A root grows down in the soil. Roots hold the plant in place. They soak up water. Next, a stem grows up to the light. The first two leaves open.

The plant needs sun, water, and air to grow. In a few weeks it may get flowers. Then new bean pods grow. The pods hold new seeds.

Questions

1. What is in a seed?

_____

_____

2. What does the seed do in wet soil?

_____

_____

3. What do roots do?

_____

_____

4. What three things does the plant need to grow?

_____

_____

5. How does one bean plant make new bean plants?

_____

_____

Words to know

seed: the part of a plant that can grow into a new plant
root: the part of a plant that grows under the ground and drinks water
stem: the part of a plant that holds up the leaves and flowers

pod: a case that holds seeds
soak up: to take in a liquid

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

A Seed Grows

Triangle group

A bean seed looks small and dry. But inside the seed is a tiny plant, waiting to grow.

When a seed is planted in soft, wet soil, it drinks the water. The seed gets bigger. Then the seed coat cracks open.

A root pushes down into the soil. Roots hold the plant in place and soak up water. Next, a stem pushes up toward the light. The first two leaves open.

The little plant needs sunlight, water, and air to keep growing. In a few weeks it may be tall enough to make flowers. After the flowers, new bean pods grow, and the pods hold new seeds.

Questions

1. What is inside a seed?

_____

_____

2. What does the seed do when it is planted in wet soil?

_____

_____

3. What are two jobs of a root?

_____

_____

4. What three things does a growing plant need?

_____

_____

5. How does the bean plant make more bean plants?

_____

_____

Words to know

seed: the part of a plant that can grow into a new plant
root: the part of a plant that grows under the ground and drinks water
stem: the part of a plant that holds up the leaves and flowers
pod: a case that holds seeds
soak up: to take in a liquid

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

A Seed Grows

Square group

A bean seed appears small and dry. Yet hidden inside it is a tiny plant, patiently waiting for its chance to grow.

When the seed is planted in soft, moist soil, it absorbs the water and swells. Eventually its outer covering, called the seed coat, cracks open.

First, a root pushes downward into the soil. Roots anchor the plant firmly in place, and they also soak up water. Next, a stem stretches upward toward the light, and the first two leaves unfold.

To continue growing, the young plant requires sunlight, water, and air. Within a few weeks, it may become tall enough to produce flowers. After the flowers, new bean pods develop, and the pods contain new seeds.

Questions

1. What is hidden inside a bean seed?

_____

_____

2. What happens to a seed after it is planted in moist soil?

_____

_____

3. What are two jobs that roots perform?

_____

_____

4. Which three things does the young plant require to continue growing?

_____

_____

5. Explain how a single bean plant can lead to more bean plants.

_____

_____

Words to know

seed: the part of a plant that can grow into a new plant
root: the part of a plant that grows under the ground and drinks water
stem: the part of a plant that holds up the leaves and flowers
pod: a case that holds seeds
soak up: to take in a liquid

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: A Seed Grows

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: A Seed Grows

Easier · 96 words · Flesch-Kincaid grade -0.7

1. A tiny plant.
2. It drinks the water and gets big. Then the seed coat cracks.
3. They hold the plant in place and soak up water.
4. Sun, water, and air.
5. It gets flowers, then pods, and the pods hold new seeds that can grow.

Triangle: A Seed Grows

This passage · 107 words · Flesch-Kincaid grade 2

1. A tiny plant, waiting to grow.
2. It drinks the water and gets bigger, and then the seed coat cracks open.
3. It holds the plant in place and soaks up water.
4. Sunlight, water, and air.
5. It grows flowers, then pods, and the pods hold new seeds that can be planted.

Square: A Seed Grows

Harder · 118 words · Flesch-Kincaid grade 5.3

1. A tiny plant, waiting for its chance to grow.
2. It absorbs the water and swells, and then the seed coat cracks open.
3. They anchor the plant firmly in place and soak up water.
4. Sunlight, water, and air.
5. It produces flowers, then pods develop, and the pods contain new seeds that can be planted.