

The Plant Periodical

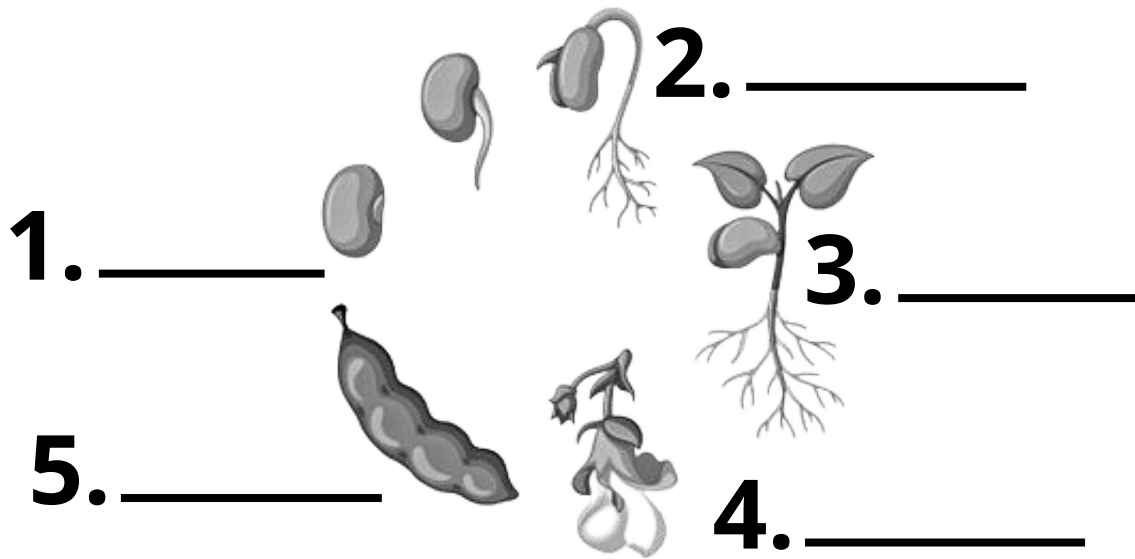
3RD TO 5TH GRADE ACTIVITY NEWSLETTER

BEFORE THE FIRST SEED IS PLANTED, KNOWLEDGE OF PLANT PARTS, PLANT NEEDS AND THE PLANT LIFE CYCLE IS NEEDED. ONCE YOU HAVE COMPLETED THE ACTIVITIES IN THIS NEWSLETTER YOU WILL BE READY TO GO!

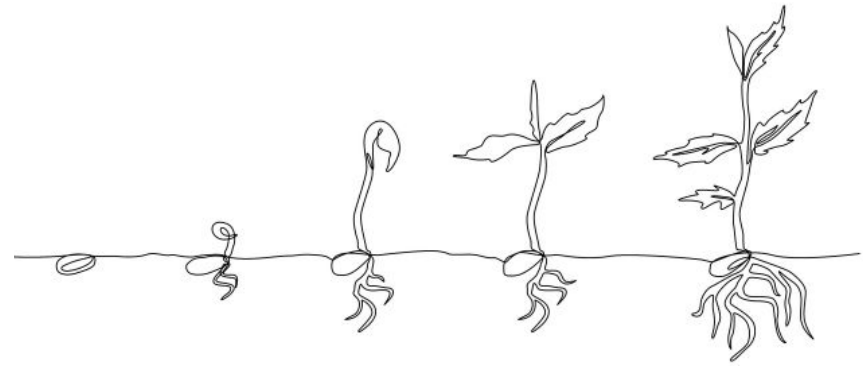
Plant Life Cycle

Plant life cycles are cyclical, meaning they repeat and keep reoccurring. First, the plant starts as a *seed*. It then germinates and turns into a *sprout*. Next, the plant begins to grow roots and becomes an *adult* plant. Adult plants then *flower*. When a plant flowers, it is able to produce *fruit*. The fruit of the plants contain seeds which can be planted to restart the life cycle.

Label the stages of the bean plant below using the bold words in the paragraph above. Draw arrows to show the sequence of the cycle.



In order for plants to grow, they need light, moisture, air and nutrients. Draw and label the plant requirements in the space below to help the bean plants grow.



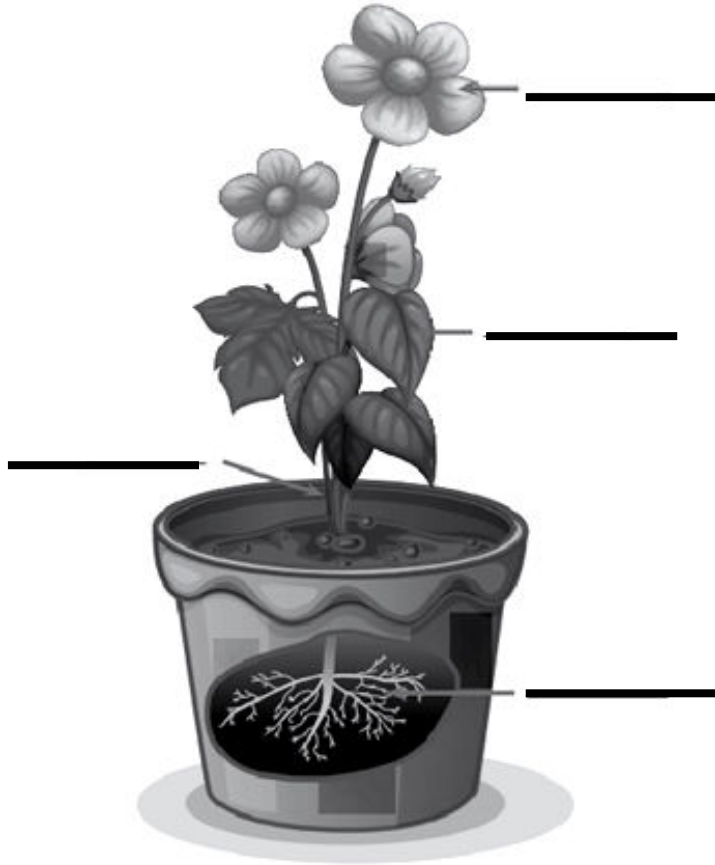
Fruit and vegetables start from a seed. A seed is typically planted at a depth that is double the width of the seed. The size of the seed determines how deep it should be planted. In order for a seed to germinate, it requires warmth (usually in the form of light), moisture and air. Then, in order to grow, the seed requires light, moisture, air and nutrients. Different seeds have different needs. Seed packets purchased at the store contain various pieces of information including proper plant spacing, water and light requirements and harvest times.

Fill in the blanks using the paragraph above!

1. A seed needs _____, _____ and _____ to germinate.
2. A seed should be planted _____ the width of the seed.
3. In order for the plant to grow, it needs _____, _____, _____ and _____.
4. It is important to consider _____, _____, _____ and _____ when planting seeds.

Did you know that all fruit have seeds and all foods that have seeds are scientifically fruit? This means that cucumber, eggplant, tomatoes and pumpkin are scientifically fruit. Vegetables are the vegetative part of the plant and the reproductive part of the plant before they bloom, set fruit and seed. Examples of true vegetables are spinach, lettuce, broccoli, carrots and beets. This includes the roots, leaves, stems and flowers of the plant.

PLANT PARTS



Match the plant part with its function.

Plant Part	Function
Leaf	Supports the plant and transports water and nutrients.
Flower	Anchors the plant while bringing it nutrients and water.
Stem	Allows for pollination and contains the plants reproductive parts.
Root	Conducts photosynthesis for the plant.

Use the word bank to label the plant parts.

Roots
Leaf
Flower
Stem

Word Game: Unscramble the vegetable category and match it to the correct vegetable. Hint: Use the picture for help.

1. E V A E L S _ _ _ _ _

Broccoli

2. T S E M _ _ _ _

Asparagus

3. S O O R T _ _ _ _ _

Spinach

4. O F W E L R _ _ _ _ _

Beets

Circle True or False:

5. A fruit contains seeds.

True False

6. Vegetables can be leaves, flowers, stems or roots.

True False

7. Fruits and vegetables are a part of a balanced diet.

True False

8. Spinach and cabbage are considered roots.

True False



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