



\_\_\_\_\_ **Pathfinder's Name**

## **Seeds**

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- 1. What is the main purpose of a seed? \_\_\_\_\_  
\_\_\_\_\_
- 2. What foods were first given to man in the Garden of Eden?  
\_\_\_\_\_  
\_\_\_\_\_
- 3. Identify from a seed or drawing and know the purpose of each of these parts of a seed:  
seed coat \_\_\_\_\_  
\_\_\_\_\_  
cotyledon \_\_\_\_\_  
\_\_\_\_\_  
embryo \_\_\_\_\_  
\_\_\_\_\_
- 4. List from memory four different methods by which seeds are scattered.  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
Name three kinds of plants whos seeds are scattered by each method.  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

5. List from memory ten kinds of seeds that we use for food.
- |          |           |
|----------|-----------|
| 1. _____ | 6. _____  |
| 2. _____ | 7. _____  |
| 3. _____ | 8. _____  |
| 4. _____ | 9. _____  |
| 5. _____ | 10. _____ |

6. List from memory five kinds of seeds that are used as sources of oil.
- |          |          |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ |          |

7. List from memory five kinds of seeds that are used for spices.
- |          |          |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ |          |

8. What conditions are necessary for a seed to sprout?
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

9. Make a collection of 30 different kinds of seeds, of which only ten may be collected from commercial seed packages, the other 20 you are to collect yourself. Label each kind as follows: seed name, date collected, location collected, and collector's name.

## Seeds, Advanced

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- 1. Have the Seeds Honor
- 2. Identify from drawings and know the purpose of each of the following parts of a seed:

endosperm \_\_\_\_\_

radicle \_\_\_\_\_

plumule \_\_\_\_\_

micropyle \_\_\_\_\_

- 3. Know several differences between a monocotyledon seed and a dicotyledon seed, and give three examples of each.

Monocotyledon

Dicotyledon

Differences


Examples


- 4. Explain the purpose and use of a "rag doll" seed tester. Use it to test the germination of 100 seeds of a wild plant and 100 seeds of a domestic plant. Report the results of each test.

Purpose \_\_\_\_\_

\_\_\_\_\_

Wild plant \_\_\_\_\_

\_\_\_\_\_

Domestic plant \_\_\_\_\_

\_\_\_\_\_

Test results \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- 5. How does a seed differ from a spore?

Seed \_\_\_\_\_

\_\_\_\_\_

Spore \_\_\_\_\_

\_\_\_\_\_

- 6. Write or tell orally two spiritual lessons we may learn from seeds. You will find help in *Christ's Object Lessons* by Ellen G. White, pages 33 to 89.

Lesson 1 \_\_\_\_\_

\_\_\_\_\_

Lesson 2 \_\_\_\_\_

\_\_\_\_\_

- 7. Make a collection of 60 different kinds of seeds, of which only 15 may be collected from commercial seed packages, the other 45 you are to collect yourself. Label each kind as follows: seed name, date collected, location collected, and collector's name.
- 8. Have in your collection four kinds of seeds from each of two families of plants, showing the similarity between the seeds of plants in any one family.