



Name -----

Gr. / 4

Subject/ Science

Worksheet#2

**Unit:3, Lesson:2****"How Do Plants Reproduce?"****Textbook pgs. (117 - 132)*****Lesson Vocabulary*****germination:**

the sprouting of a seed (the embryo in the seed begins to grow)

**maturity:**

the stage at which organisms can reproduce

**fertilization:**

the process of a sperm and an egg cell joining together

**pollination:**

the process of pollen moving from a male plant part to a female plant part

**spore:**

a cell that can grow into a new plant when the conditions are right

**Q1- Write "True" or "False".**

- 1- Mosses and ferns grow from seeds. ( )
- 2- Petals are the male organs in the flower. ( )
- 3- The pistil is the female organ in the flower. ( )
- 4- Bees, birds and butterflies are pollinators. ( )
- 5- A cone is a cell that can grow into a new plant. ( )
- 6- All plants grow from seeds. ( )

**Q2- Fill in the blanks using the following words.**

<b>spores</b>	-	<b>maturity</b>	-	<b>pollination</b>	-
<b>life cycle</b>	-	<b>fertilization</b>	-	<b>seeds</b>	

- 1- A ..... is the series of stages that a living thing goes through as it develops.
- 2- ..... is the process of a sperm and an egg cell joining together.
- 3- ..... is the process of pollen moving from a male plant part to a female plant part.
- 4- Some plants, such as mosses and ferns, grow from .....
- 5- When a plant grows to its full size, it reaches .....
- 6- ..... can be spread by wind, water, or animals from place to place.

**Q3- Choose the correct answer.**

1- Which process happens when a sperm joins with an egg?

- a. fertilization                      b. germination                      c. pollination

2- Which is a reproductive structure of a plant that makes seeds?

- a. flower                                  b. leaf                                  c. stem

4- The male organ of the flower is the .....

- a. pistil                                  b. stamen                                  c. petal

5- The female organ of the flower is the .....

- a. pistil                                  b. stamen                                  c. petal

6- The red maple tree is a flowering plant. The pine tree is a nonflowering plant. Which stage occurs in the life cycles of both trees?

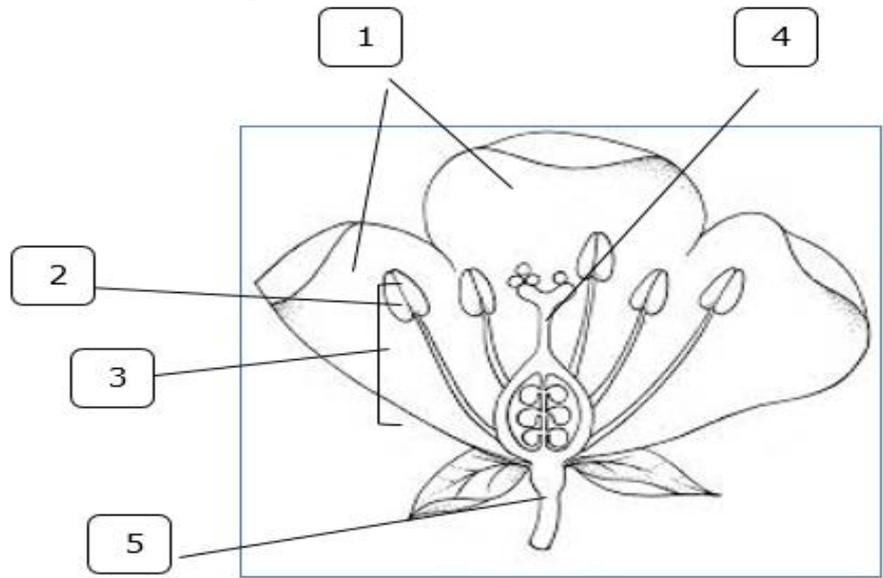
- a. making cones                      b. making seeds                      c. making fruits

7- An empress tree is a flowering plant. What is the main role of the violet markings on the flowers?

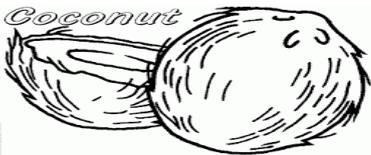
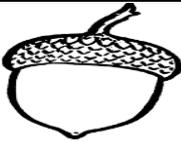
- a. to protect the plant from the sun  
b. to produce pollen for reproduction  
c. to attract insects to carry pollen

**Q4- Add labels to the flower parts.**

- 1-.....
- 2-.....
- 3-.....
- 4-.....
- 5-.....



**Q5- Match each seed with its way of moving.**

 <p>Coconut</p>	<ul style="list-style-type: none"> <li>• by water</li> </ul>
 <p>Dandelion seeds</p>	<ul style="list-style-type: none"> <li>• by animals</li> </ul>
 <p>Acorn seed</p>	<ul style="list-style-type: none"> <li>• by wind</li> </ul>

**Q6- Answer the following questions.**

A. List three ways a seed-forming plant can be pollinated.

1-.....

2-.....

3-.....

B. During which stage of a plant's life cycle does a plant make new seeds?

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C. Name two plants that grow from spores instead of seeds.

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**Q7- Define.**

1. spore;

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2. germination;

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