

Name \_\_\_\_\_

# Flower Dissection Lab

Period \_\_\_\_\_

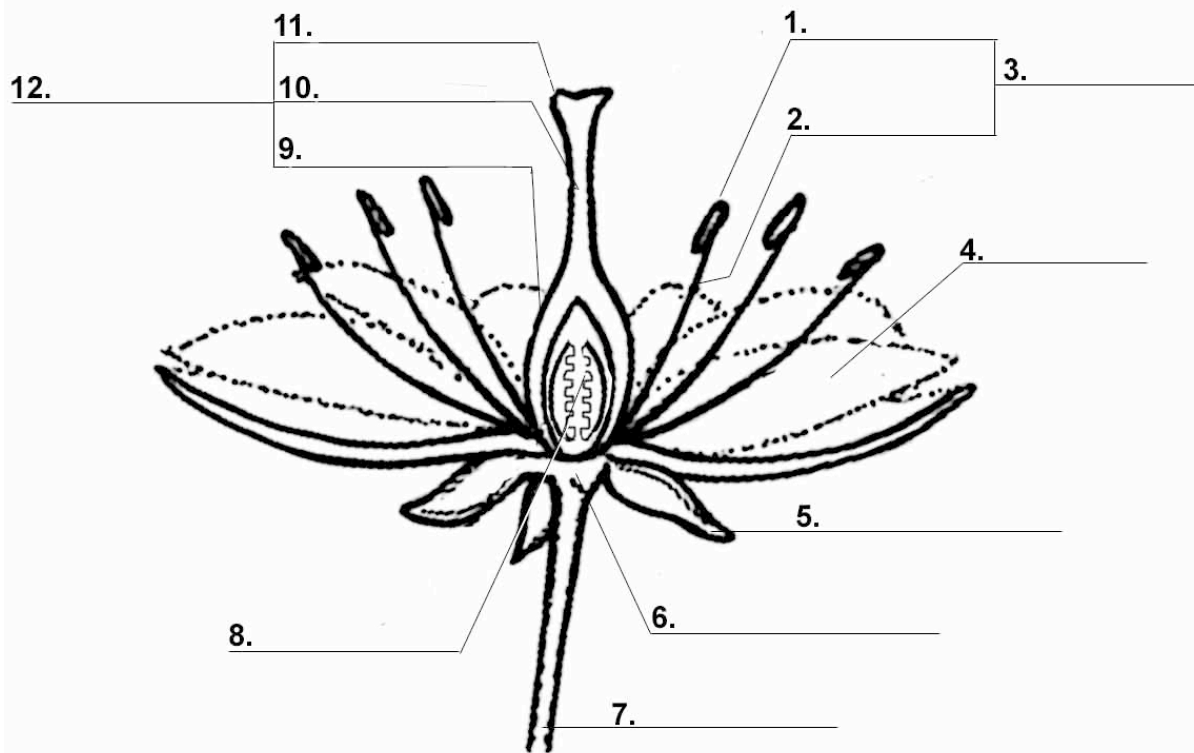
<b>Petals:</b>	<b>Sepal:</b>
<b>Stamen:</b>	<b>Pistil with ovary transected (include the ovules):</b>

Using the following words, label the flower diagram below:

stigma  
anther  
filament  
pedicel/stem

petal  
style  
receptacle  
ovary

ovule  
pistil  
stamen  
sepal



Longitudinal section of a dicotyledon flower

**Questions:** answer in the space provided.

1. Distinguish between *cross-pollination* and *self-pollination*: \_\_\_\_\_

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2. Why is a pea plant considered to be *bisexual*? \_\_\_\_\_

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3. Which flower structure contains the male gametes? \_\_\_\_\_

4. Which flower structure contains the female gametes? \_\_\_\_\_

5. Which flower structure receives the pollen during fertilization? \_\_\_\_\_

6. What might be the biological function of the “sticky substance” secreted by the stigma? \_\_\_\_\_

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7. Which flower structure becomes the fruit that we eat? \_\_\_\_\_

8. What is the biological function of petals? \_\_\_\_\_