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## Unit 9: Worksheet 28 The Flower

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1. The male part of the flower is called the \_\_\_\_\_.
2. The part of the above structure that produces the pollen is called the \_\_\_\_\_.
3. The female flower part that produces the egg is called the \_\_\_\_\_.
4. The \_\_\_\_\_ is another name for an immature seed.
5. The \_\_\_\_\_ is the flower part that captures mature pollen.
6. The \_\_\_\_\_ is the flower part that displays the anther.
7. The \_\_\_\_\_ is a structure that connects the flower to the stem.
8. The megasporocyte develops in the \_\_\_\_\_ of the plant.
9. A (n) \_\_\_\_\_ is a cell that does not develop into a viable egg.
10. A (n) \_\_\_\_\_ flower contains all the basic parts, where as a (n) \_\_\_\_\_ flower is missing one or more of these parts.
11. A (n) \_\_\_\_\_ flower contains both types of reproductive organs.
12. The \_\_\_\_\_ is part of the mature ovule that is  $3N$ .
13. In order to produce the  $3N$  structure in the ovule, the \_\_\_\_\_ and \_\_\_\_\_ must combine.
14. The opening into the ovule is called the \_\_\_\_\_.
- 15 \_\_\_\_\_ is the transfer of pollen from the anther to the stigma of a flower.

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Based on the information in the chart, determine if the flower is perfect, imperfect, and complete, or incomplete. Write your choices in the appropriate boxes.

Flower	Perfect or Imperfect	Complete or Incomplete
Rose: contains stamens, pistils, petals, and sepals		
Papaya: stamens in separate flower		
Carpet grass: missing petals stamens and pistil on same flower		
Daisy: contains stamens, pistils, petals, and sepals		

Graph the following data and then answer the questions that follow.

Amount of Ethylene ml/m <sup>2</sup>	Winesap Days to Maturity	Golden Days to Maturity	Gala Days to Maturity
10	14	14	15
15	12	12	14
20	10	9	12
25	8	7	10
30	8	7	8
35	8	6	7

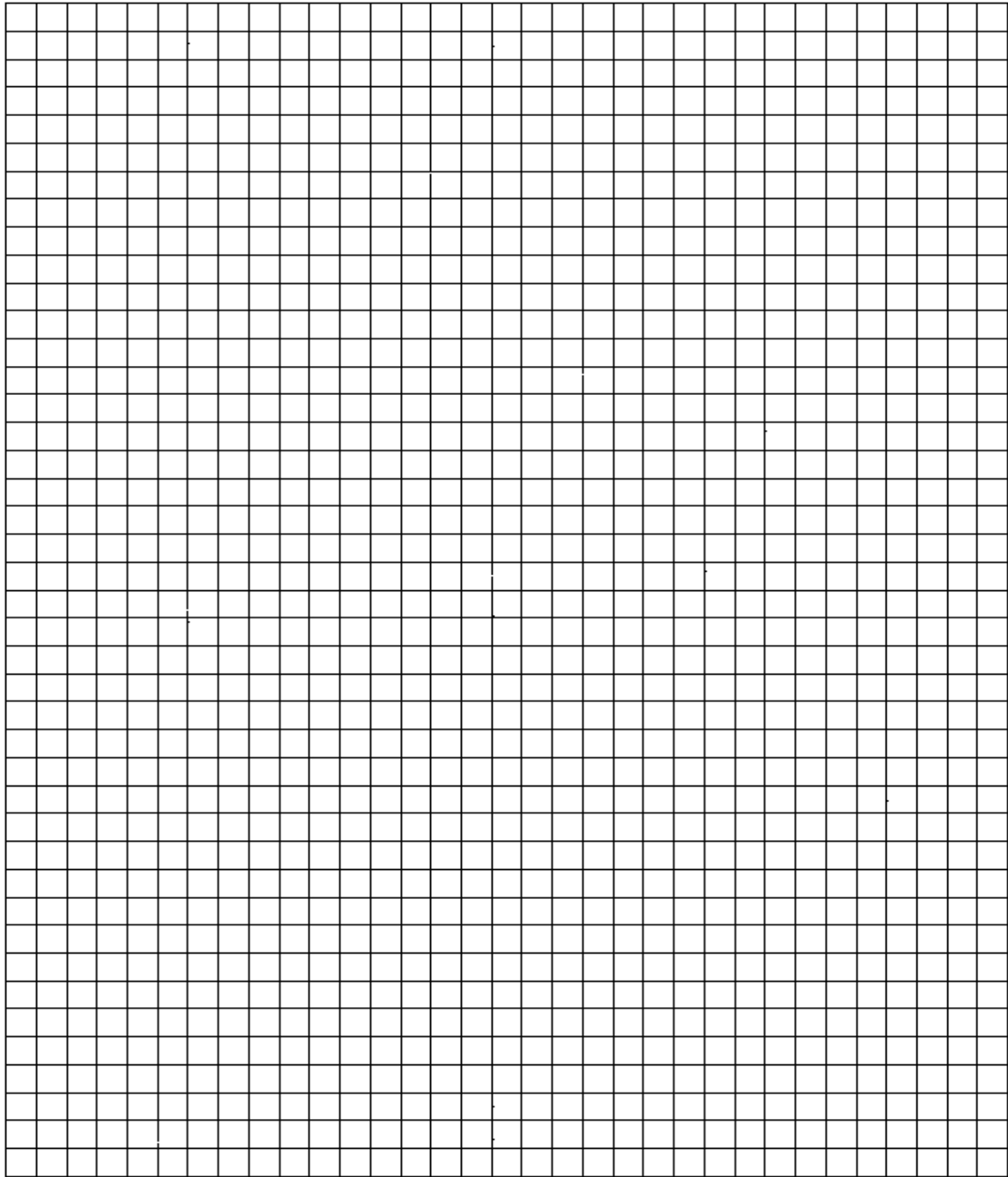
Ethylene is a plant hormone that causes fruit to mature. The data below concerns the amount of time it takes for fruit to mature from the time of its first application. Line graph the data and answer the questions that follow.

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Graph Title:

\_\_\_\_\_



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1. What is the dependent variable?

\_\_\_\_\_

2. Of the three groups of apples which one(s) seems to have room for shortening the maturation time using ethylene? \_\_\_\_\_. Explain your answer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. What is the combined average maturation time of the three groups of apples?

\_\_\_\_\_.

4. What is the mode of the Golden Apples? \_\_\_\_\_