



Science



Math

AG-VENTURE WITH POLLINATOR

Use the IAITC Pollinator Ag Mag to help you work through this worksheet!

In your own words, describe the process of pollination and explain why it's important for humans to help increase pollinator populations.

Can you figure out the number value of each symbol? Make sure you keep the order of operations in mind!






$$\text{butterfly} + \text{butterfly} = 10$$

$$\text{butterfly} + \text{bee} = 7$$

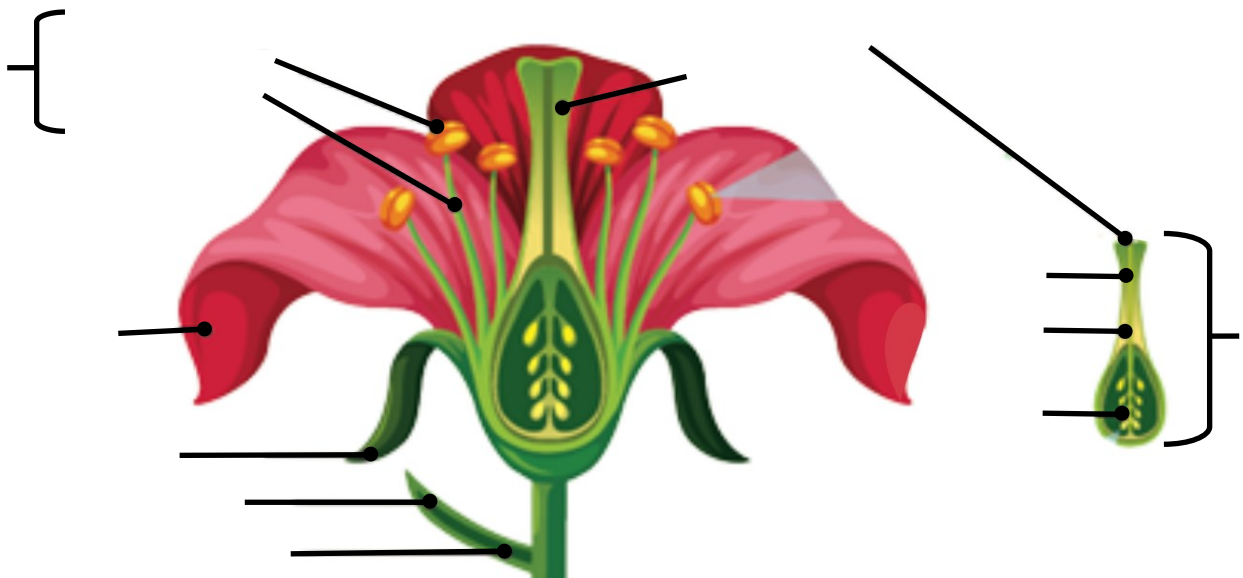
$$\text{purple flower} + \text{purple flower} + \text{purple flower} = 18$$

$$\text{butterfly} \times \text{bee} - \text{sunflower} = 6$$

$$\text{caterpillar} \div \text{bee} = 5$$

	=		=		=
	=		=		=

Label this flower diagram with the different parts of a flower! Then, circle the parts that are involved with pollination.



TEACHER RESOURCES

ANSWER KEY

In your own words, describe the process of pollination and explain why it's important for humans to help increase pollinator populations.

Answers should describe how the pollen from the stamen of a flower is transferred to the pistil of the same flower or the pistil of a flower on a different plant of the same species. Transfer of pollen can happen from the help of wind or from a variety of insect and small mammal species.

It's important for humans to help pollinator populations because so many plants, including many that we rely on for food, require the help of pollinators to reproduce. If pollinator populations decrease, then the amount of pollination occurring will decrease which would then decrease the yield of seeds, or "offspring," produced. This means there would be less food produced.

Can you figure out the number value of each symbol? Make sure you keep the order of operations in mind!






$$\text{butterfly} + \text{butterfly} = 10$$

$$\text{butterfly} + \text{bee} = 7$$

$$\text{purple flower} + \text{purple flower} + \text{purple flower} = 18$$

$$\text{butterfly} \times \text{bee} - \text{sunflower} = 6$$

$$\text{caterpillar} \div \text{bee} = 5$$

 = 5	 = 2	 = 4
 = 10	 = 6	

Label this flower diagram with the different parts of a flower! Then, circle the parts that are involved with pollination.

