

Topic 1	Topic 2	Topic 3	Topic 4	Topic 5	Topic 6
\$100	\$100	\$100	\$100	\$100	\$100
\$200	\$200	\$200	\$200	\$200	\$200
\$300	\$300	\$300	\$300	\$300	\$300
\$400	\$400	\$400	\$400	\$400	\$400
\$500	\$500	\$500	\$500	\$500	\$500



CLASSROOM JEOPARDY

Team 1	0
0	0

Game Topic

Reproduction 1

Reproduction 2

Soil Management

Pesky Pests

Flowers

Random

\$100

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Annihilators

Legendary W

Quest Killers

Skull Crushers

The Slayers

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Topic 1: \$100

Are seeds produced during sexual reproduction or through asexual reproduction?

[Answer](#)

Topic 1: \$100

**Only sexual
reproduction produces
seeds.**

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Topic 1: \$200

**What term is synonymous with
Asexual Reproduction?**

[Answer](#)

Topic 1: \$200

Vegetative Reproduction

[Return to Main](#)

Topic 1: \$300

Name 3 types of asexual reproduction.

Answer

Topic 1: \$300

Cuttings

Layering

Grafting

[Return to Main](#)

Topic 1: \$400

These stems grow sideways and are commonly found in strawberry and raspberry plants.

Answer

Topic 1: \$400

Runners



[Return to Main](#)

Topic 1: \$500

Seeds can travel by air, water, and animals. This is known as _____.

Answer

Topic 1: \$500

Seed dispersal

[Return to Main](#)

Topic 2: \$100

Do fruits form from sexual reproduction
Or do they form through asexual
Reproduction? How do you know?

Answer

Topic 2: \$100

Fruits form from flowers. Flowers
Use male and female parts. This is
A form of sexual reproduction.

[Return to Main](#)

Topic 2: \$200

The most nutritious part
Of a seed is the _____.

Answer

Topic 2: \$200

Cotyledon.

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Topic 2: \$300

What 3 factors do seeds require to germinate?

Answer

Topic 2: \$300

Oxygen

Proper Temperature

Water

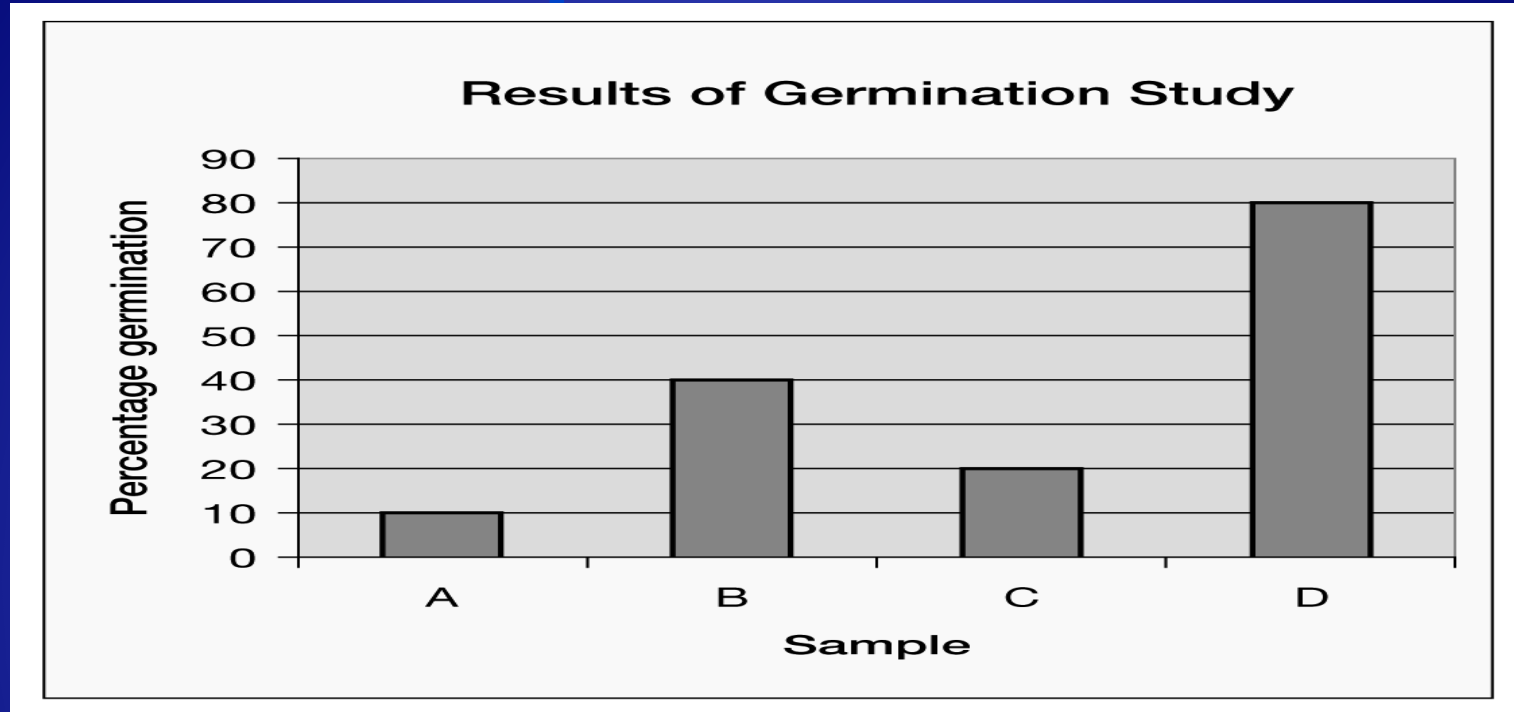
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DAILY DOUBLE

DOUBLE

Proceed

Topic 2: \$400

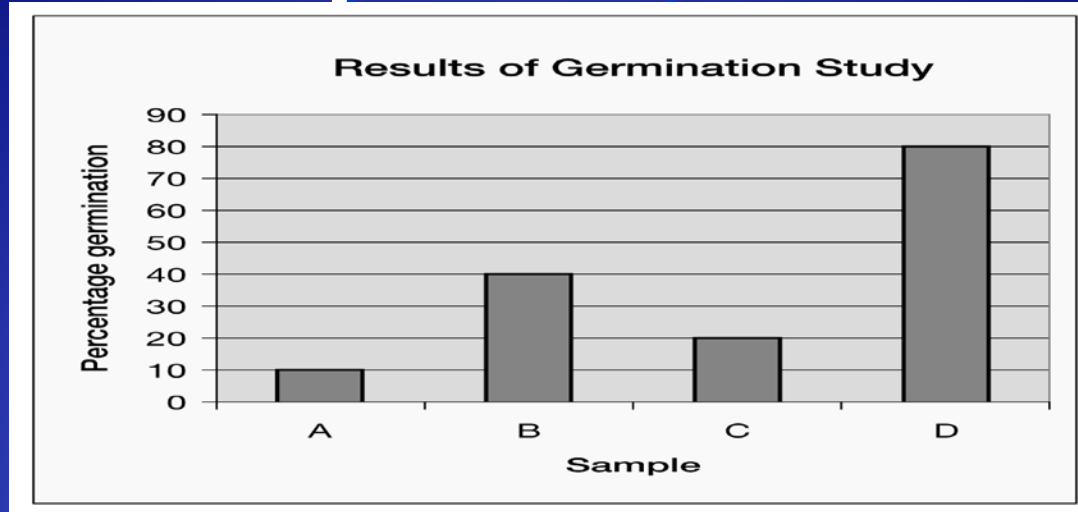


The conditions in 'D' were most likely ...

- A) warm, dry and dark
- B) warm, moist and dark
- C) warm, dry and sunny
- D) cold, moist and sunny

Answer

Topic 2: \$400



The conditions in 'D' were most likely ...

- A) warm, dry and dark
- B) warm, moist and dark****
- C) warm, dry and sunny
- D) cold, moist and sunny

For seeds to germinate, they need warmth, moisture(water), and oxygen. Sunny vs dark makes no difference.

[Return to Main](#)

Topic 2: \$500

When does fertilization occur in a flower?

Answer

Topic 2: \$500

**When Pollen meets
Ovule (eggs).**

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Topic 3: \$100

**Bacteria, Worms, Air pockets,
and Fungi....which of these does
healthy soil contain?**

Answer

Topic 3: \$100

Healthy soil contains all of them.

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Topic 3: \$200

This is the name of a special bacteria that helps produce humus by decomposing dead organic matter.

Answer

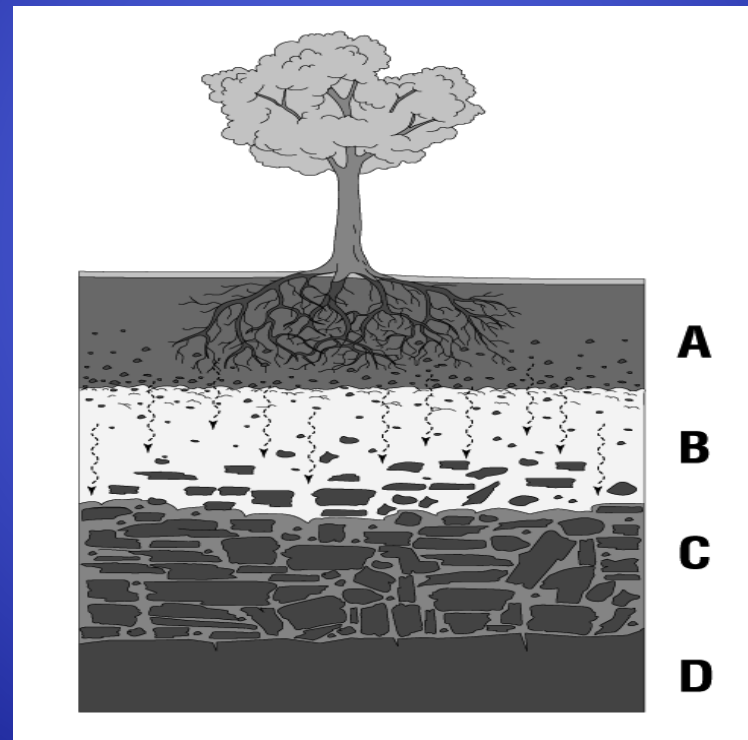
Topic 3: \$200

Actinomycetes

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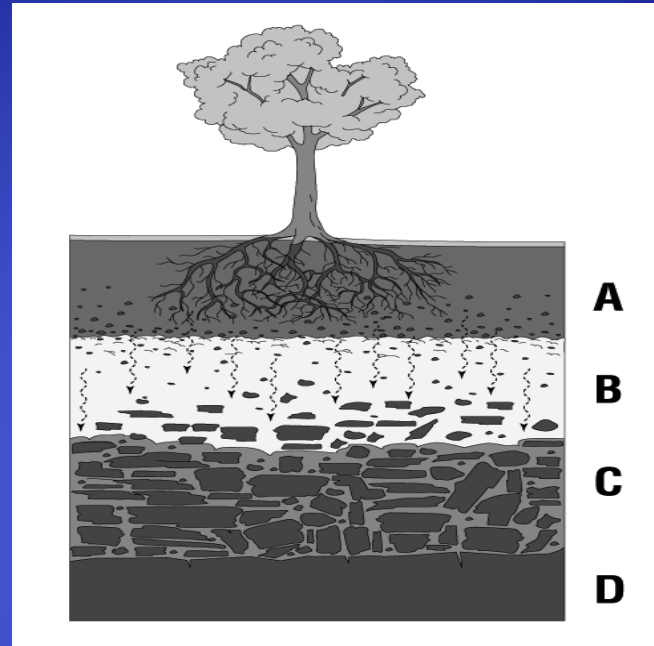
Topic 3: \$300

Which layer of soil contains rich organic matter and lots of humus?



Answer

Topic 3: \$300



- **LAYER A CONTAINS THE RICHEST ORGANIC MATTER**

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Topic 3: \$400

Three of the following technologies help to reduce soil erosion. Which one does not belong?

- A) Remove all of the dead plants**
- B) shelter belts**
- C) leaving dead plants on the soil**
- D) add manure**

Answer

Topic 3: \$400

Three of the following technologies help to reduce soil erosion. Which one does not belong?

A) Remove all of the dead plants (If you do that, the wind will blow away the soil).

B) shelter belts (Blocks the wind to prevent soil from blowing away)

C) leaving dead plants on the soil (this covers up the soil and prevents it from blowing away)

D) add manure (Manure adds a covering on top of the soil to prevent it from blowing away.

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Topic 3: \$500

Describe 1 clue that would indicate that you do not have enough earth worms in your soil.



Answer

Topic 3: \$500

Worms create slime which rubs off onto the soil allowing it to clump nicely together. Not enough worms means the soil does not stick well.

Worms burrow tunnels into the soil to allow air to enter deep inside. This helps fluff out the soil. Not enough worms means your soil is packed together with no air pockets.

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Topic 4: \$100

What is a pest?

Answer

Topic 4: \$100

- **A pest is anything that annoys us or destroys our crops.**

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Topic 4: \$200

What causes pests to resist pesticides over time?

Answer

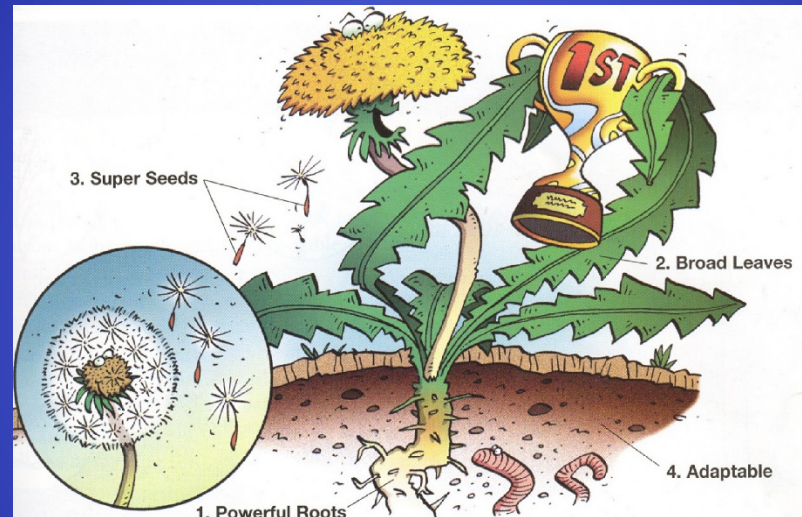
Topic 4: \$200

Insects will often have a few survivors who are naturally immune to insecticide sprays. Those survivors will reproduce and produce offspring who are also immune. Eventually your insecticide becomes useless.

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Topic 4: \$300

Describe 3 characteristics that make dandelions excellent pests.



Answer

Topic 4: \$300

Deep roots that anchor well.

Roots release toxins into the soil that kills nearby plants.

Broad leaves steal sunlight from nearby plants.

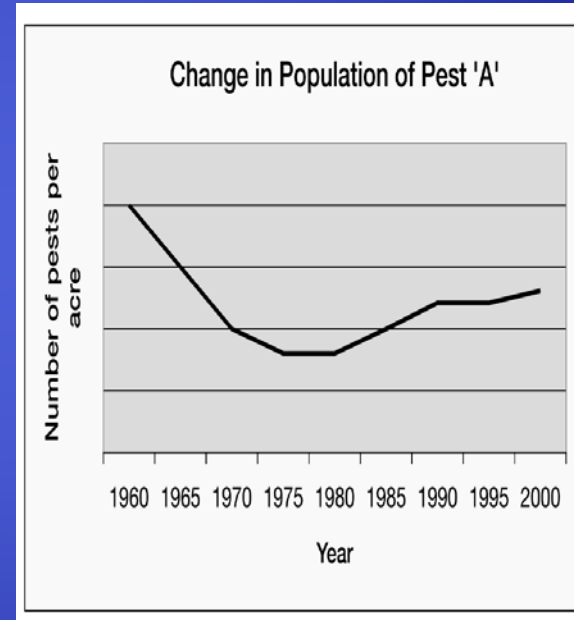
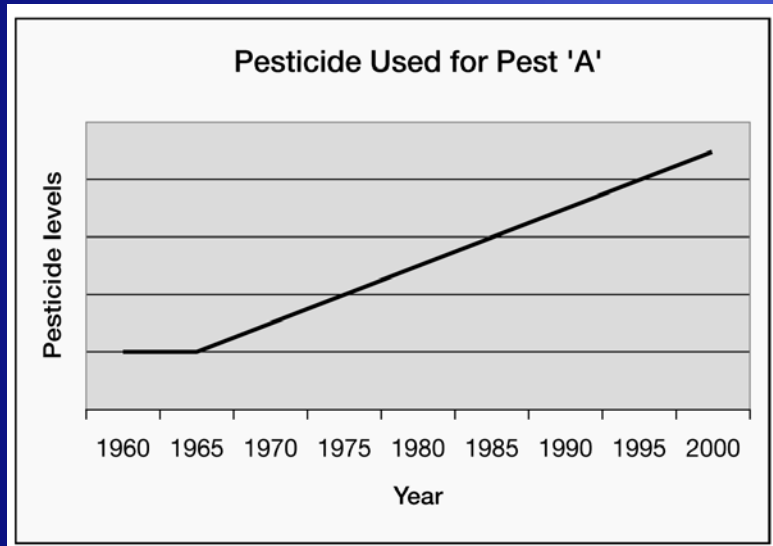
Roots store nutrients and survive throughout the winter so that they have a head start next spring.

Super seeds blow super far to spread the new dandi-babies all over.

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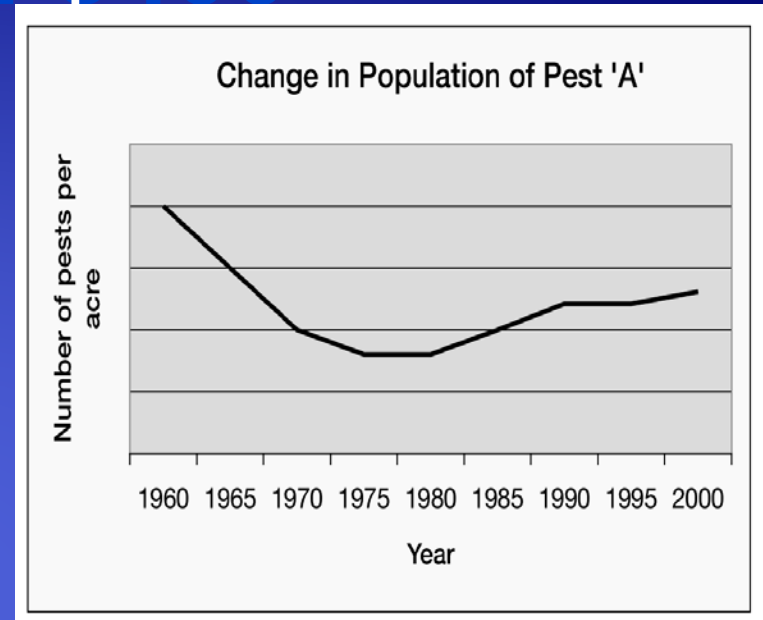
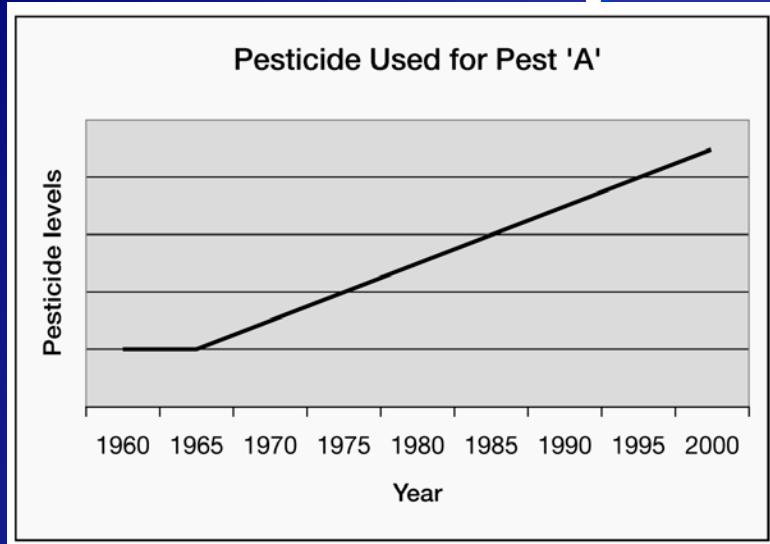
Topic 4: \$400

**Explain how this farmer feels in 1990.
Explain your answer.**



Answer

Topic 4: \$400



He probably feels helpless. In 1990, he is spraying more pesticide than ever, but the bugs are increasing in amount. This is due to pesticide resistance. Refer to the \$200 question in this category for an explanation on how pesticide resistance works.

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Topic 4: \$500

Which country uses the most pesticides? How do you know?

Country	Number of Resistant Species
Canada	35
Chile	7
Japan	14
China	5
Fiji	1
United States	84

Answer

Topic 4: \$500

Country	Number of Resistant Species
Canada	35
Chile	7
Japan	14
China	5
Fiji	1
United States	84

The United States uses the most pesticides because they have the most resistant species. The more pesticides that you use, the more species will become immune to them.

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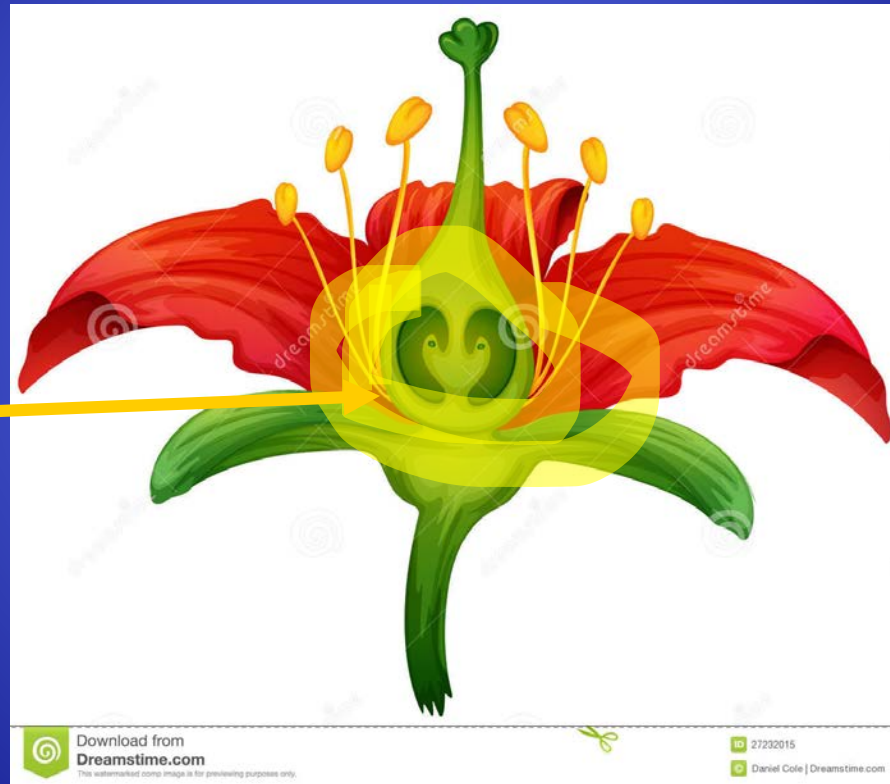
Topic 5: \$100

This part of the flower becomes the fruit?

Answer

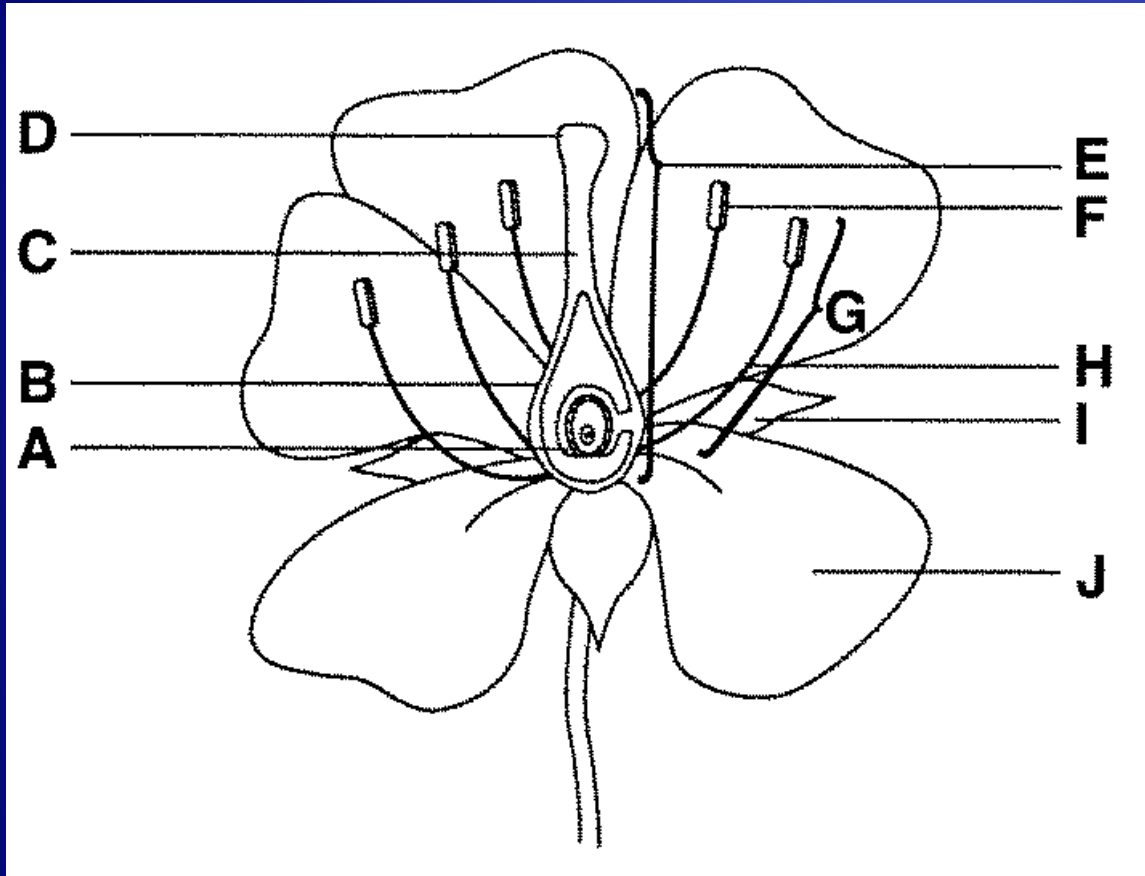
Topic 5: \$100

The ovary becomes the fruit.



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Topic 5: \$200



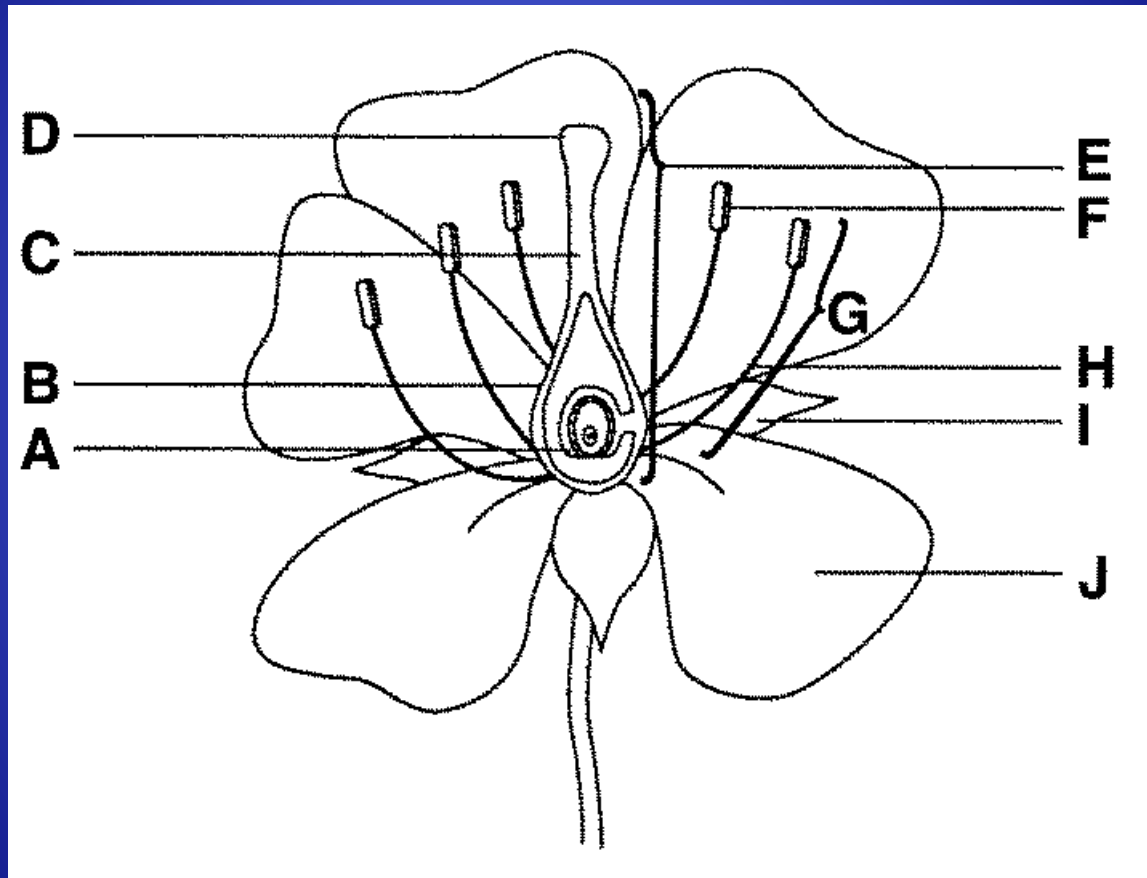
The Stamen
is letter

_____.

Answer

Topic 5: \$200

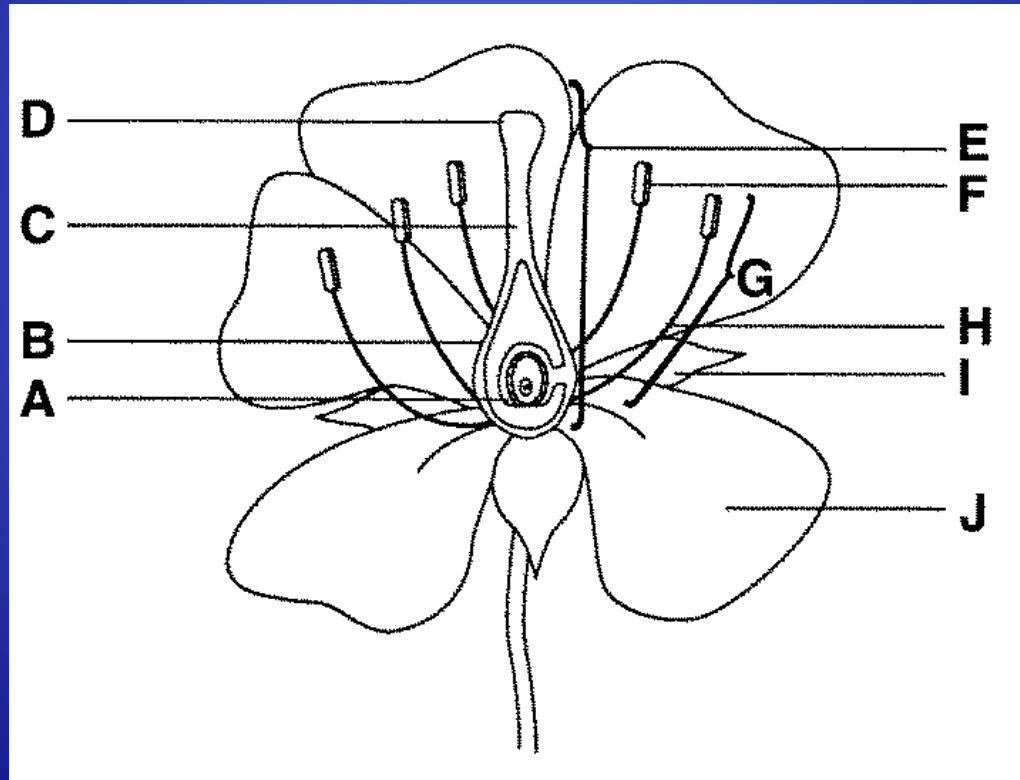
The stamen is letter G.



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Topic 5: \$300

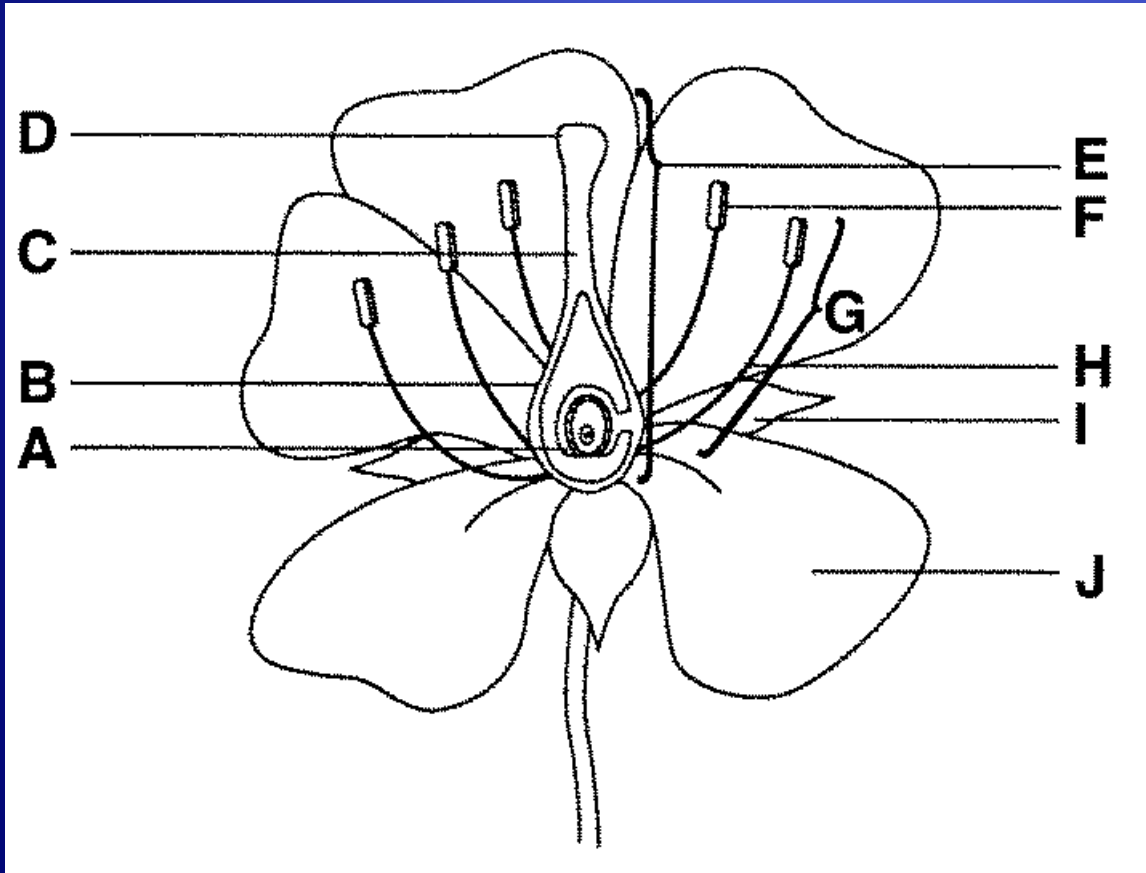
This is the exact spot
where fertilization occurs



Answer

Topic 5: \$300

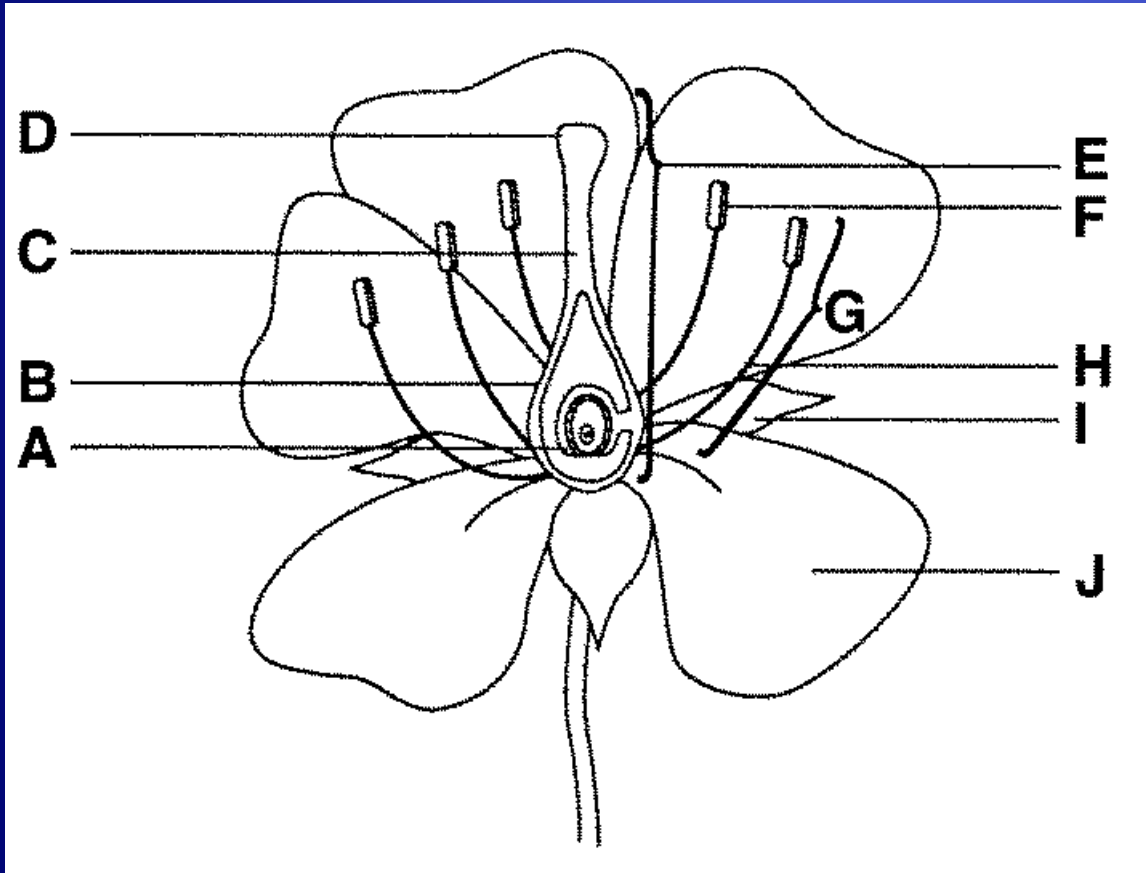
Fertilization is when the pollen and ovules fuse. This exact spot that this occurs is location A.



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Topic 5: \$400

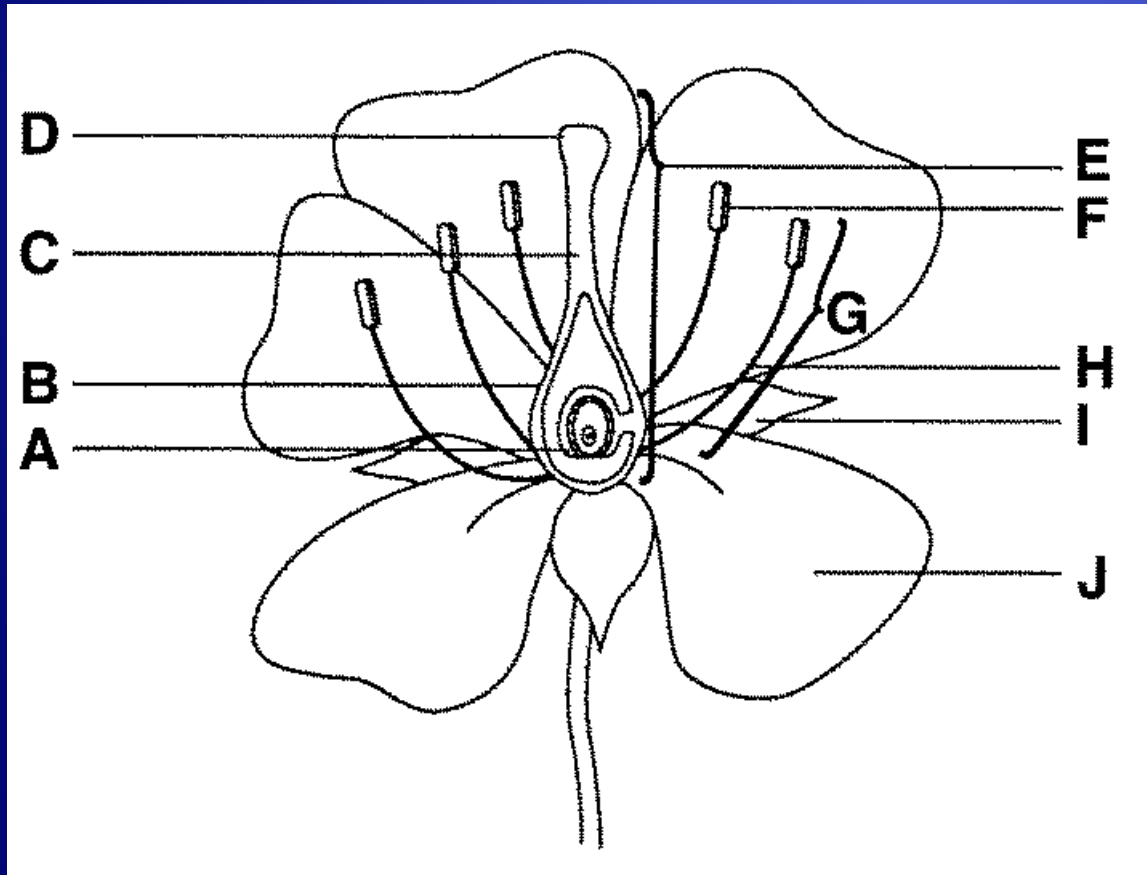
Pollen is created here and then deposited there. *(Letters and proper names must be provided)*



Answer

Topic 5: \$400

Pollen is created at the anther (F) and deposited at the stigma (D).

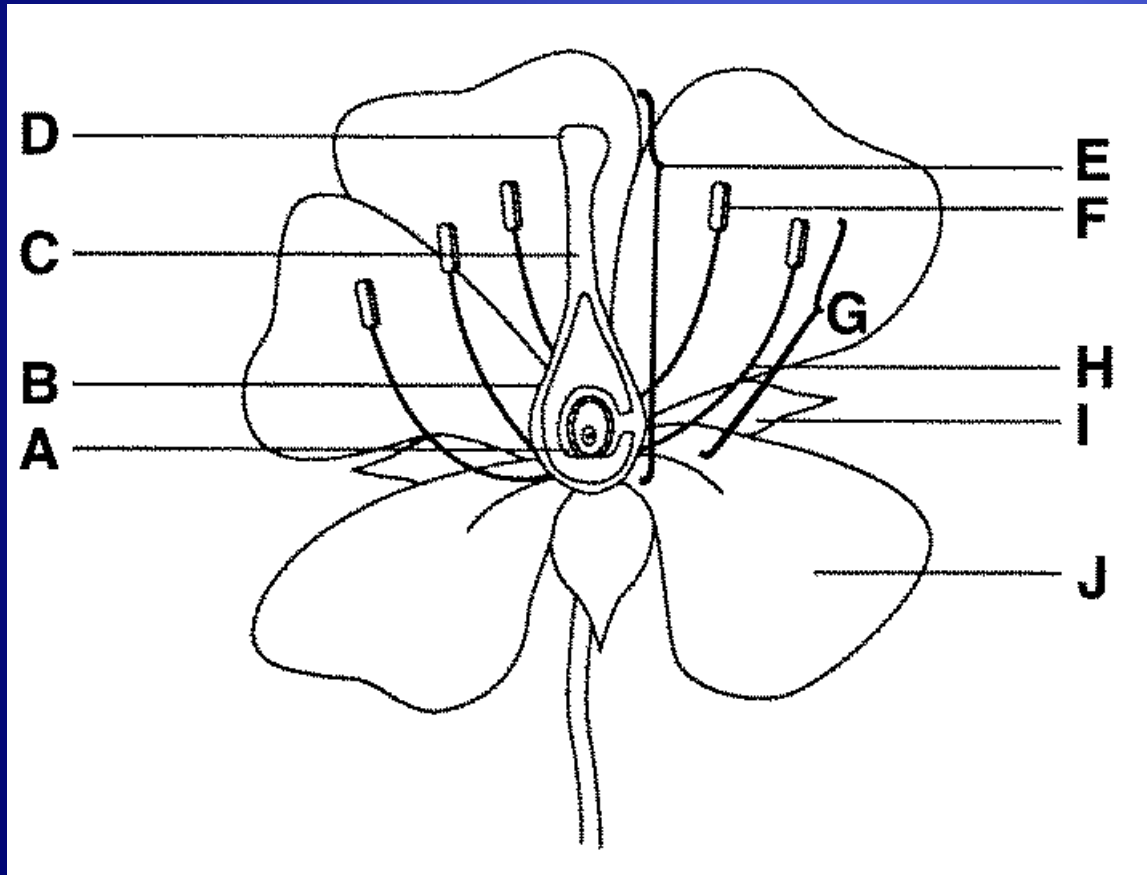


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Topic 5: \$500

What is E called?

What are the names of the 4 different parts that comprise it?

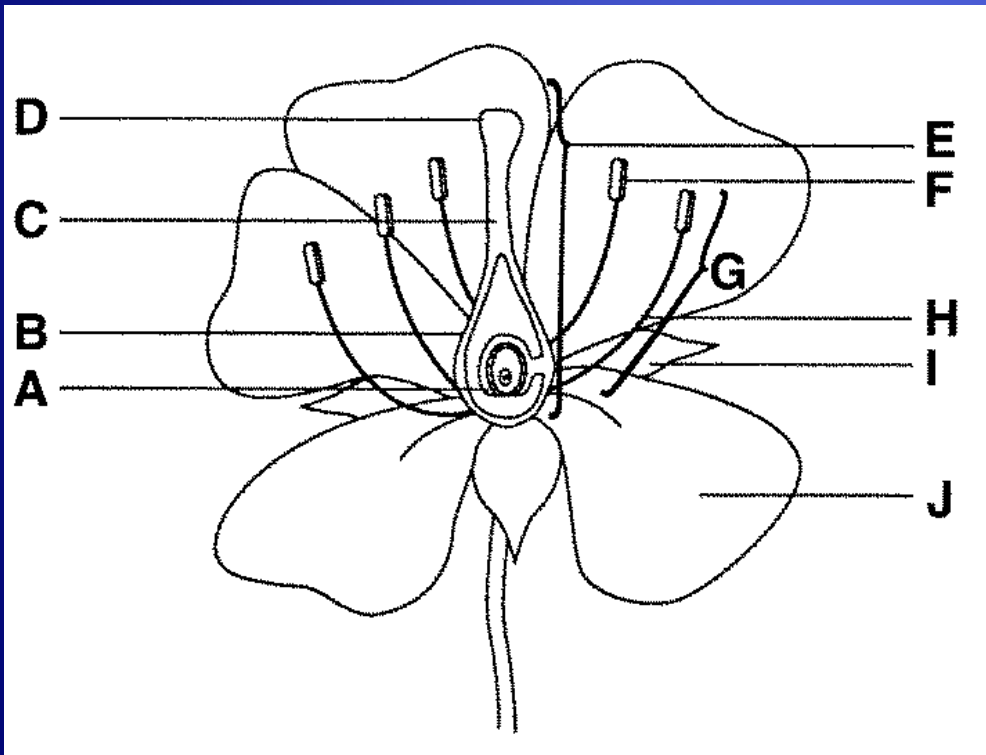


Answer

Topic 5: \$500

E is called the Pistil.

**It is made up of 4 parts. Stigma(D), Style (C)
Ovary(B) and the ovules(eggs) (A)**



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Topic 6: \$100

**What is a monoculture
and a polyculture?**

Answer

Topic 6: \$100

Monoculture: 1 type of plant is grown.

Polyculture: A variety of plants are grown.

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Topic 6: \$200

Name an advantage and a disadvantage of growing a monoculture.

Answer

Topic 6: \$200

An advantage of having a monoculture is that it is easy to grow because all of the plants have the same needs.

A disadvantage is that if a pest comes, it will wipe them all out and you will have nothing left. You need an aggressive pest management system to avoid that from happening.

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Topic 6: \$300

Describe an advantage and a disadvantage of growing a polyculture.

Answer

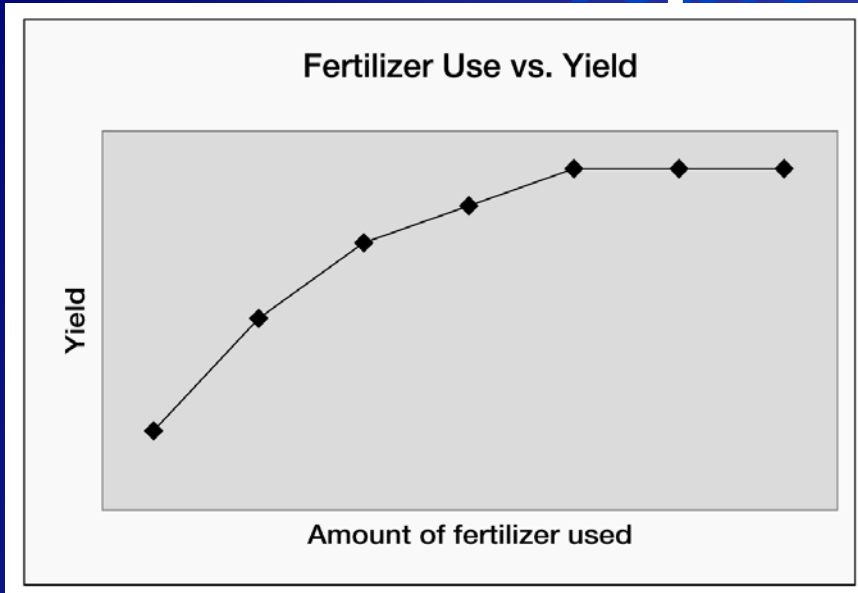
Topic 6: \$300

Polycultures allow you to manage your risk against pests better. For ex. If a potato beetle eats all of your potato plants, you still have other plants that will survive.

The downside of polycultures is that they take more effort to grow because all of your plant varieties have different water and nutrient needs.

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Topic 6: \$400

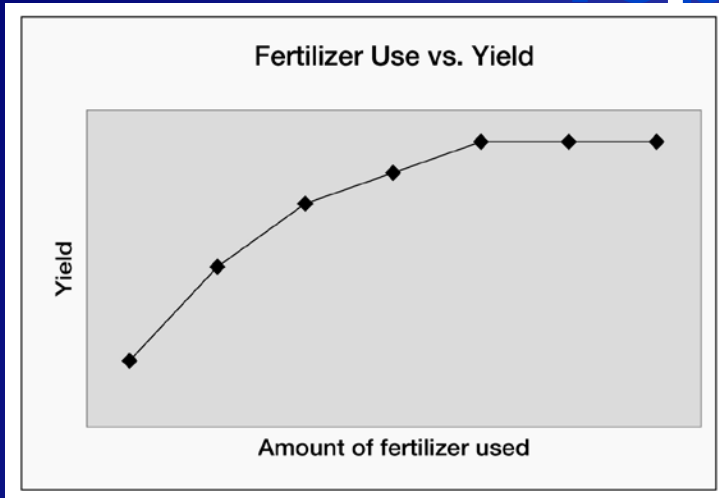


According to the graph, what is the relationship between fertilizer amount and yield?

- A) More fertilizer means better yields.
- B) Less fertilizer means better yields.
- C) There is no relationship between fertilizer use and crop yields
- D) Fertilizer can increase yields but only up to a certain point.

Answer

Topic 6: \$400



- A) More fertilizer means better yields. (Not always.)
- B) Less fertilizer means better yields. (Definitely Not)
- C) There is no relationship between fertilizer use and crop yields (Ummm....yes there is)
- D) Fertilizer can increase yields but only up to a certain point. (True indeed. After a certain point, the graph flattens out even though we are adding more fertilizer.)

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Topic 6: \$500

Epic Guild Challenge!

Answer

Topic 6: \$500

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FINAL JEOPARDY

Final Jeopardy Topic

Proceed

FINAL JEOPARDY

Insert FINAL question
here

Answer

FINAL JEOPARDY

Insert FINAL answer
here

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