

INVESTIGATION QUESTION

How does fruit structure reflect the seed dispersal strategy of the plant?

HYPOTHESIS

Hint: try writing it as "If ____, then ____, because ____."

MATERIALS

variety of fruits, plastic knives, paper plates, magnifying glass

Dissection Data Table

Fruit	Number of Seeds	Seed Location	Fruit Characteristics (color, smell, taste)	Likely Dispersal Method
Fruit 1:				
Fruit 2:				
Fruit 3:				
Fruit 4:				

ANALYSIS

What relationship do you notice between fruit characteristics (color, sweetness, size) and how the seeds are likely dispersed?

CONCLUSION

Explain in your own words why the evolution of fruit was such an important development in plant reproduction. How did it change the relationship between plants and animals?

CONNECT IT

Darwin predicted a specific moth based on the shape of an orchid before the moth was ever discovered. Look up this story and explain what it reveals about how coevolution works.

THINK FURTHER

Flowering plants now make up about 90% of all plant species on Earth. What advantages do flowers and fruits give angiosperms over plants that reproduce with cones or spores?

ADDITIONAL NOTES
