

Name:

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*"For every house is built by someone, but  
God is the builder of everything."  
Hebrews 3:4*

*What is an ecosystem?*

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*Important Components in an Ecosystem*

*Living Organisms*

*Nonliving Organisms*



# Scientific Vocabulary

producers  
consumers  
decomposers  
microorganism  
herbivore  
carnivore  
omnivore  
food chain  
food web  
microbes

germination  
photosynthesis  
harvest  
biome  
transplant  
fertilize  
hypothesis  
control  
variable  
data

What is a food chain?

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What is a food web?

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Illustrate the original source of energy in a food chain and food web.

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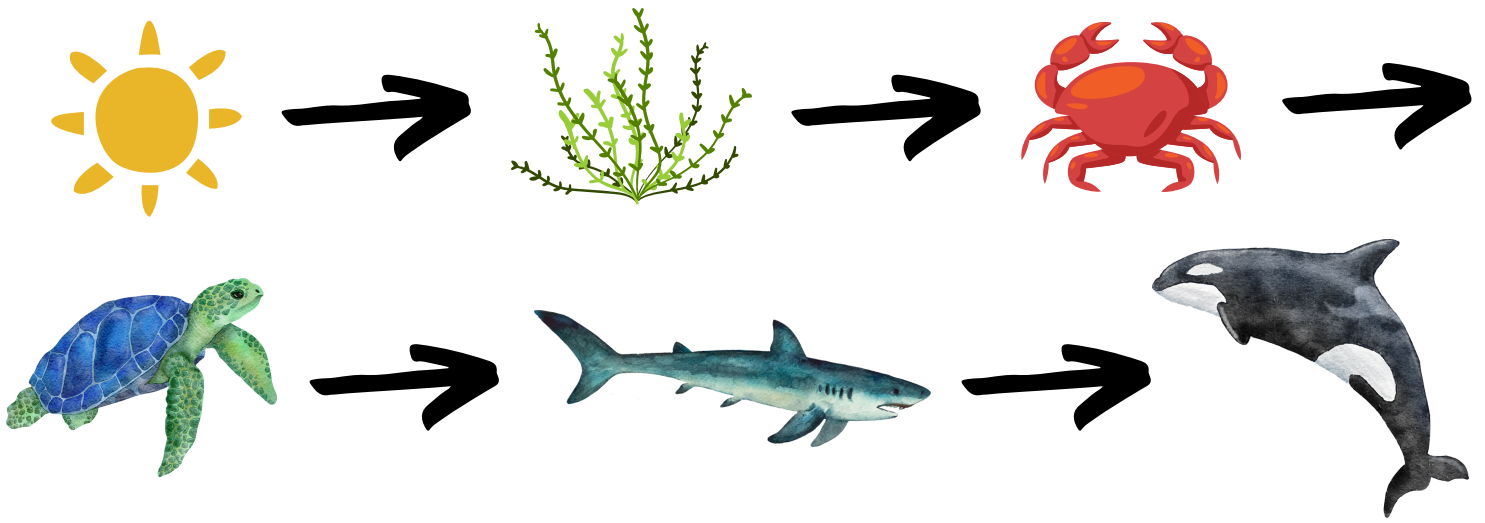
hypothesis

control

variable

data

# Energy Flow



Arrows show the direction of the flow of energy in a food chain.  
Draw out an example of a food chain with arrows below.



Plant Needs

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Animal Needs

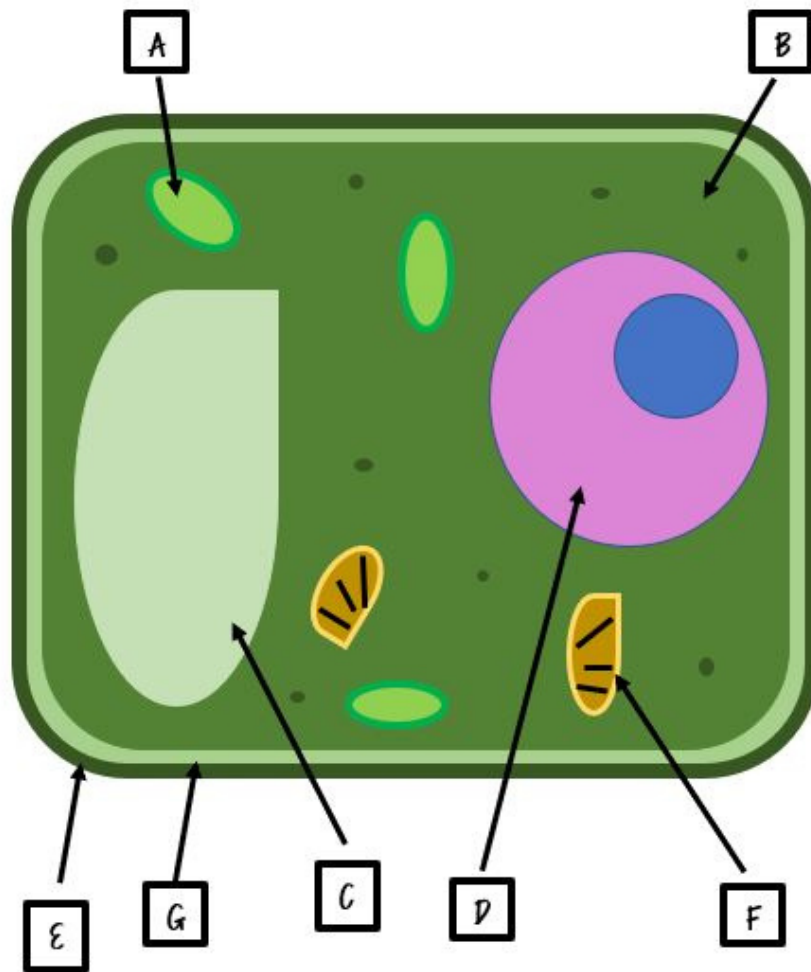


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# Plant Cell



A- changes sunlight into energy, gives plant its green color:

B- gel-like substance that provides structure for the cell:

C- storage area for food and water for the plant:

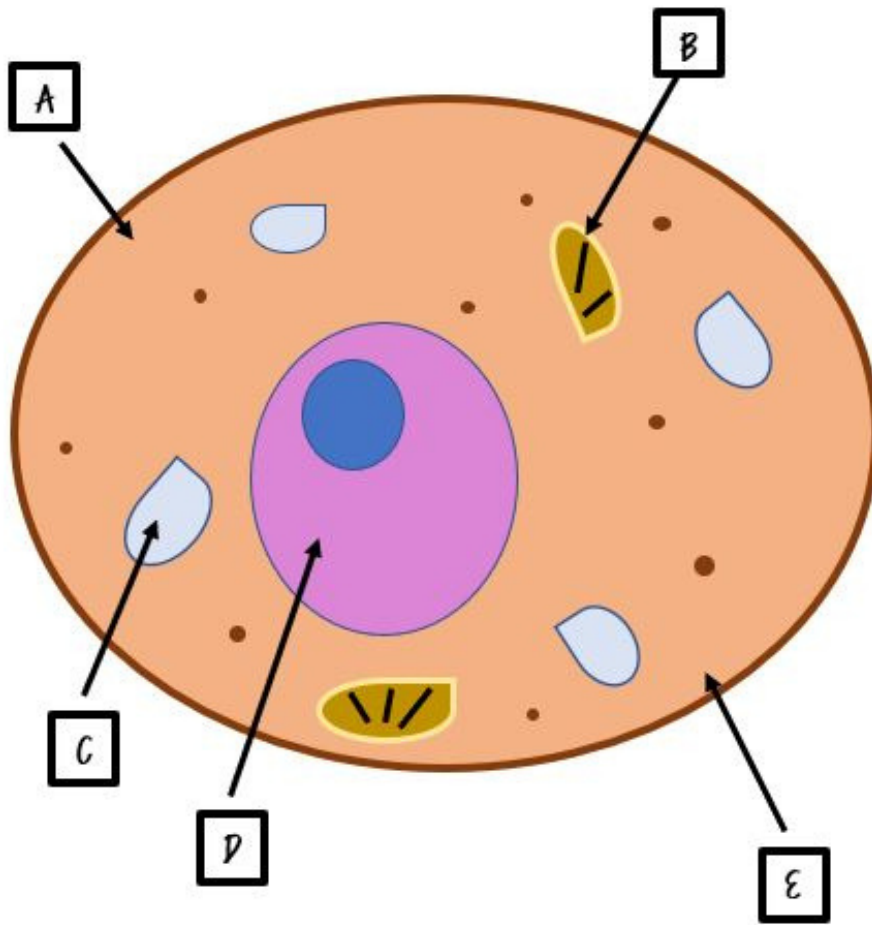
D- acts as the control center for the cell:

E- strong, protective structure that surrounds the cell:

F- serves as the cell's energy factory:

G- thin wall that blocks harmful substances:

# Animal Cell



A- gel-like substance that provides structure for the cell:

B- serves as the cell's energy factory:

C- storage area for food and water, assists in digestion:

D- acts as the control center for the cell:

E- thin wall that blocks harmful substances:



# Decomposers

Use the chart below to record your daily observations.

Day 1	Day 2	Day 3
Day 4	Day 5	Day 6
Day 7	Day 8	Day 9

Decomposers feed on  things.

A decomposer is an  that breaks down dead organisms into smaller molecules.

Decomposers are bacteria and .

They perform a valuable service as Earth's  crew.