Jeopardy

Choose a category.

You will be given the answer.

You must give the correct question.

Click to begin.

Choose a point value.

Choose a point value.

Click here for Final Jeopardy

Classify This	For Cell	Gene Gene the Dancin' Machine	Cycles & Changes	Feed Me!
10 Point	10 Point	10 Point	10 Point	10 Point
20 Points	20 Points	20 Points	20 Points	20 Points
30 Points	30 Points	30 Points	30 Points	30 Points
40 Points	40 Points	40 Points	40 Points	40 Points
50 Points	50 Points	50 Points	50 Points	50 Points

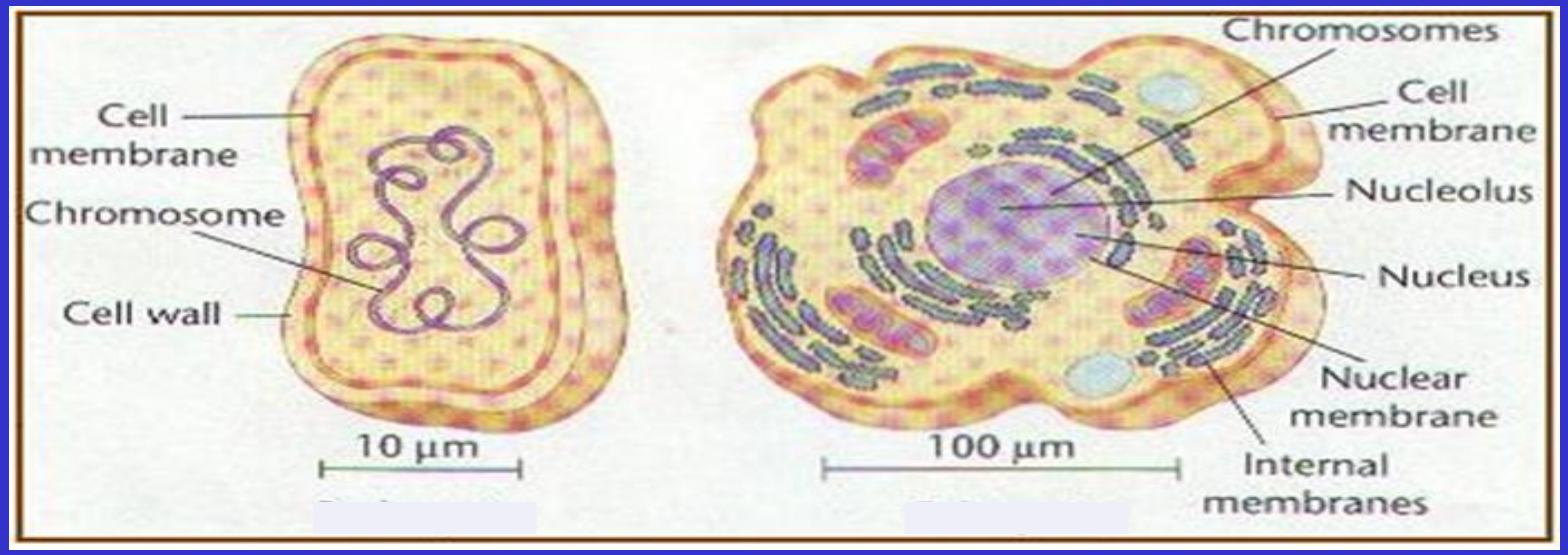
The binomial nomenclature system of classification of living things uses these two terms to uniquely identify living organisms.

What are

Genus & Species?

1. Organisms with cells that *contain* a membrane-bound nucleus.

2. Organisms with cells that *do not contain* a membrane-bound nucleus.



What are Eukaryotes and Prokaryotes?

I'M not gonna carry it…
YOU carry it!

Yessir! We're PROs
at this!

1. Organisms that *make* or

2. Do *not make* their own food.

What are

1. Autotrophs (Producers) and
2. Heterotrophs (Consumers)?

The highest taxonomic rank, or the most general taxon used in classifying organisms?

What is a Kingdom?

Organisms

1. *with* or

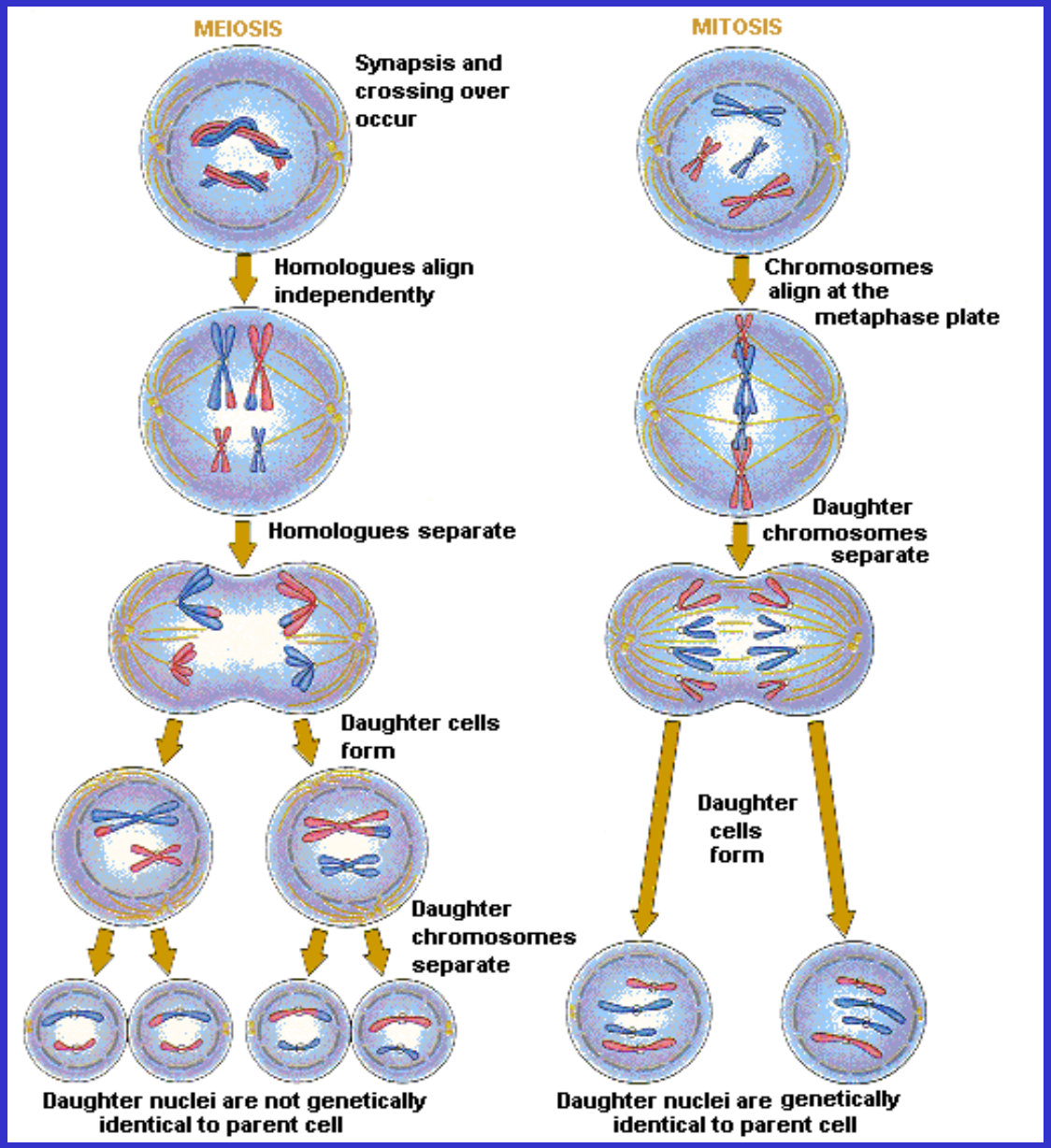
2. *without* a backbone (spinal column).

What are

1. Vertebrates and
2. Invertebrates?

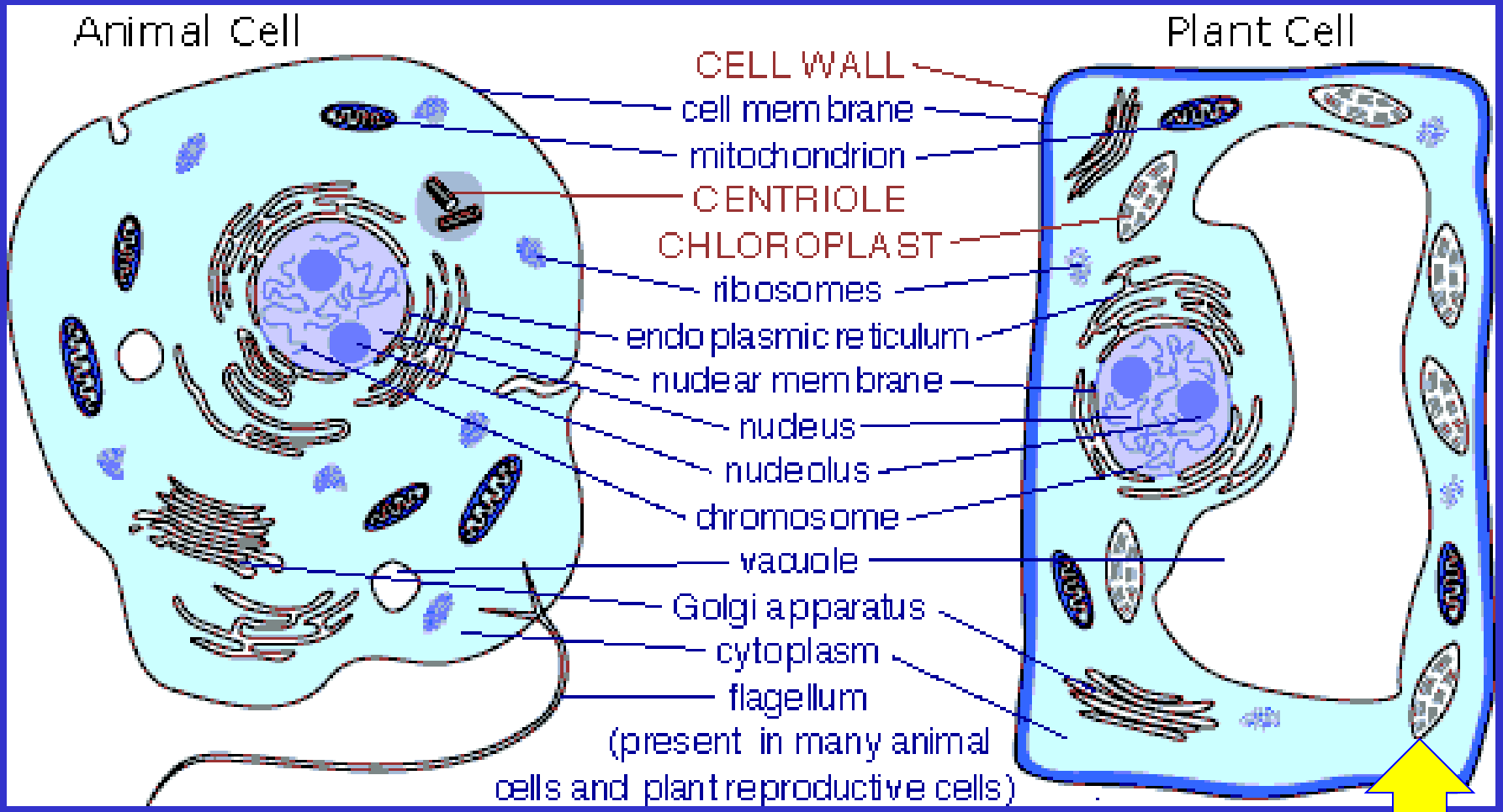
Type of cell division that results in two daughter cells with *the same* number of chromosomes as the parent cell.

What is Mitosis?



Structures that carry out specific functions within a cell.

What are Organelles?

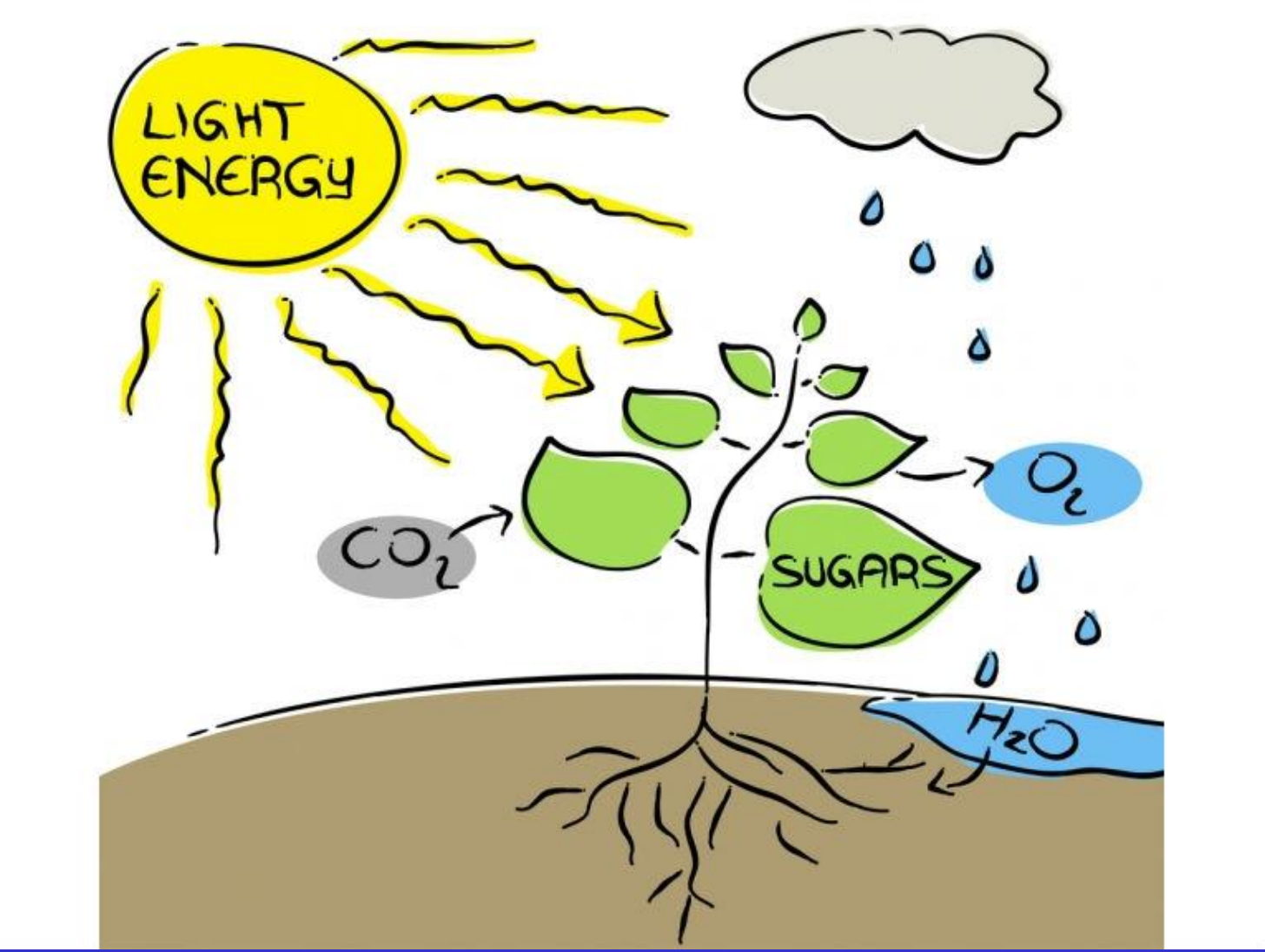


The largest organelle that acts as a cell's control center.

What is the Nucleus?

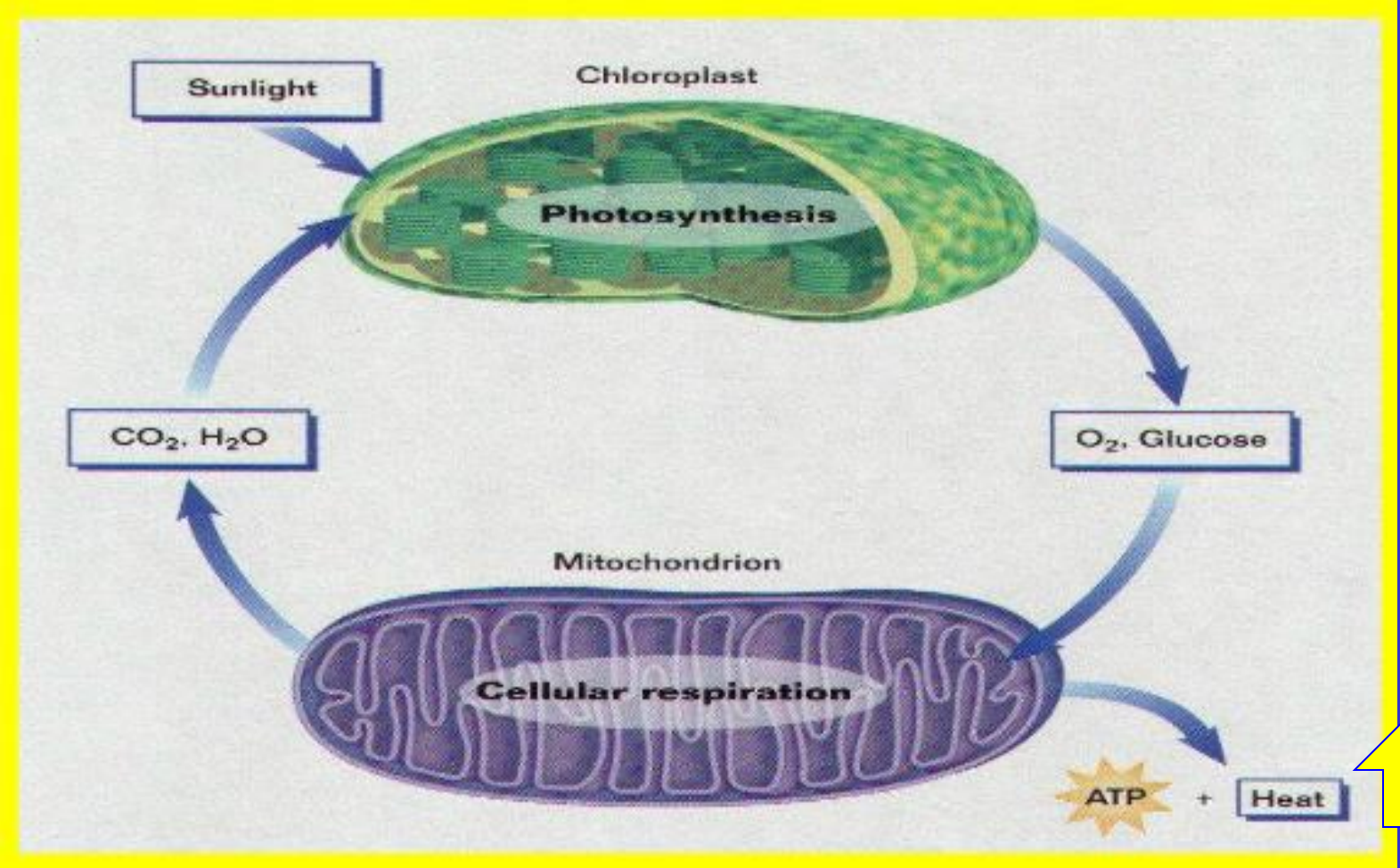
The process by which plants and other autotrophs capture and use light energy to make food from carbon dioxide and water.

What is Photosynthesis?



The process in which oxygen and glucose undergo chemical reactions inside cells to release energy.

What is Cellular Respiration?



The process by which carbon is exchanged among the biosphere, geosphere, hydrosphere, cryosphere and atmosphere of Earth.

What is the Carbon Cycle?

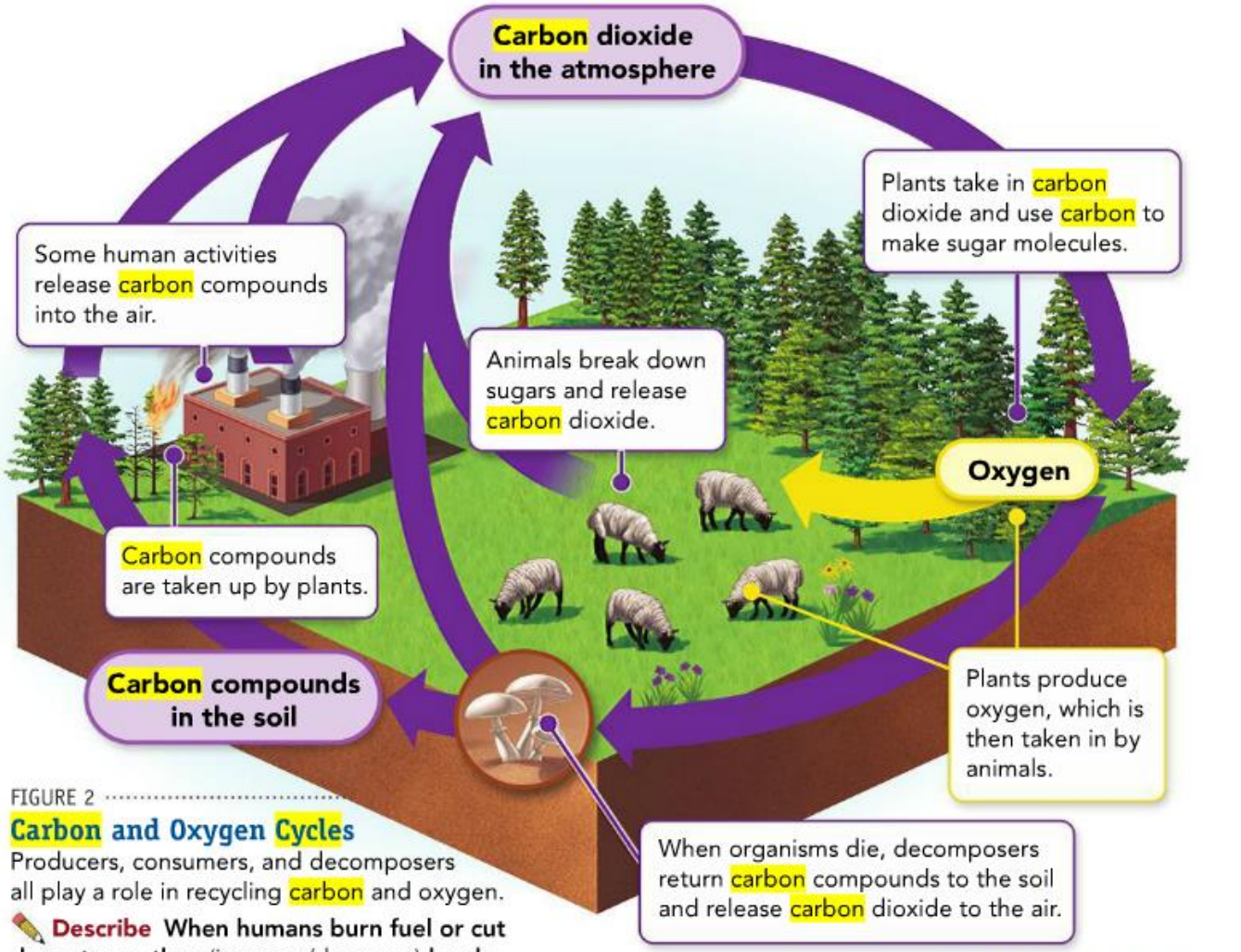


FIGURE 2

Carbon and Oxygen Cycles

Producers, consumers, and decomposers all play a role in recycling carbon and oxygen.

Describe **When humans burn fuel or cut down trees, they** (increase/decrease) **levels of carbon dioxide in the atmosphere.**

SC.8.N.4.2

The condition in which an organism's internal environment is kept stable in spite of changes in the external environment.

What is Homeostasis?

HOMEOSTASIS

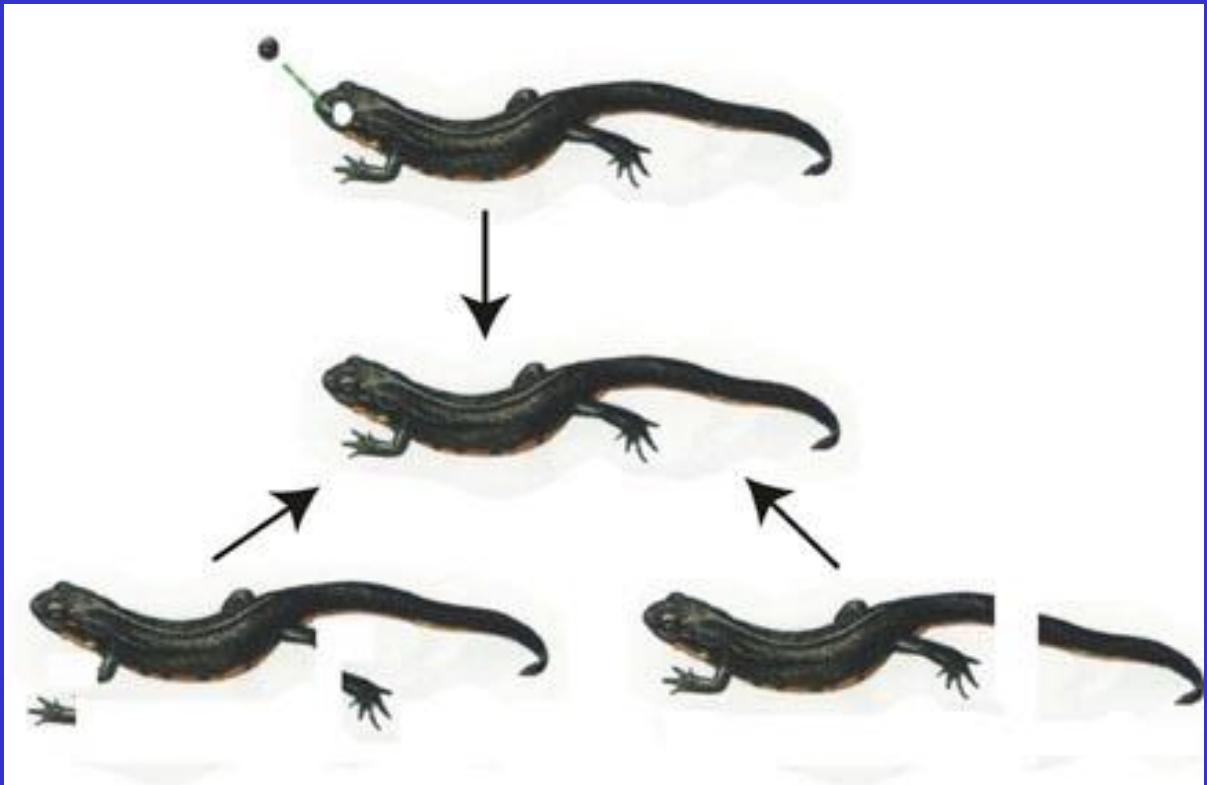
37°C
Body Temperature

pH of 7.35

0.1% blood sugar

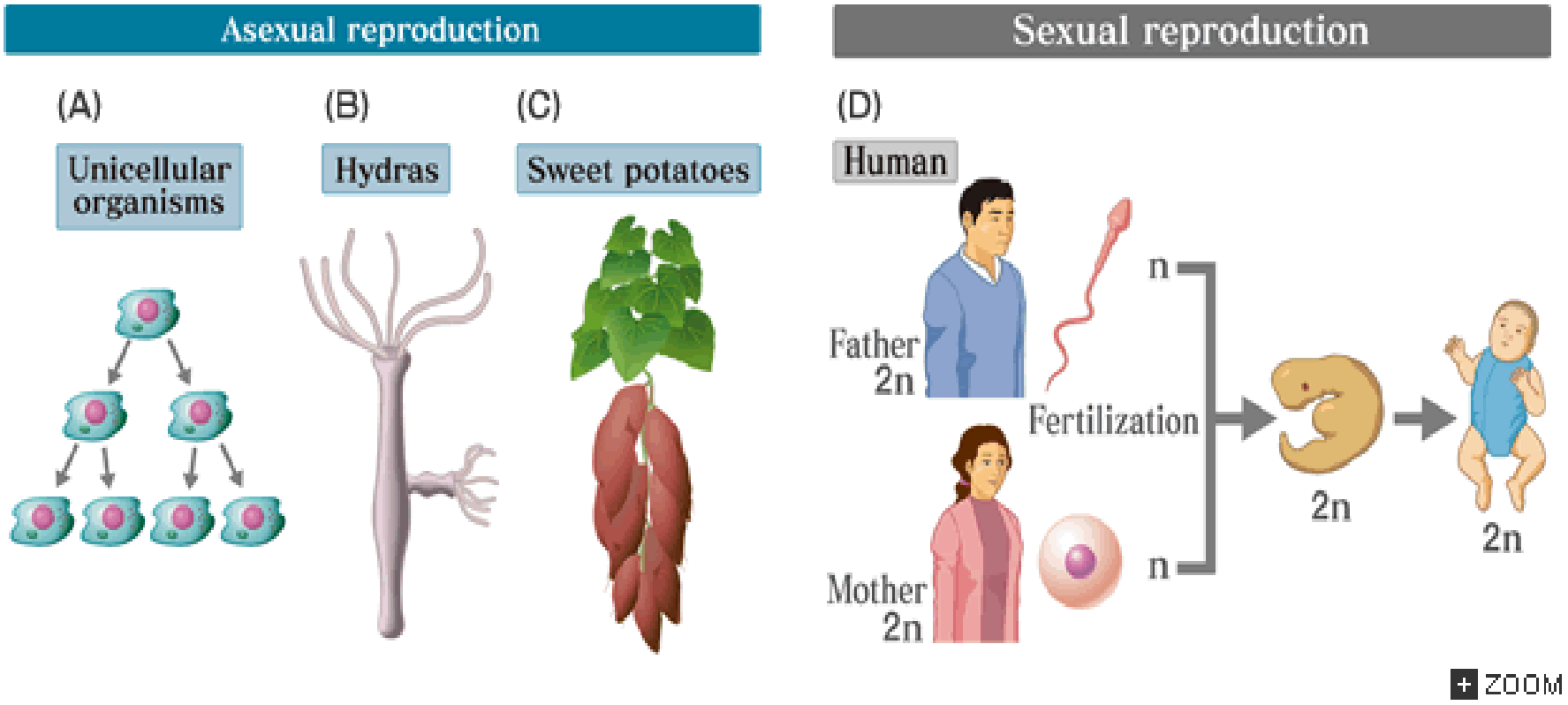
The natural renewal of a structure, as of a lost tissue or part.

What is Regeneration?



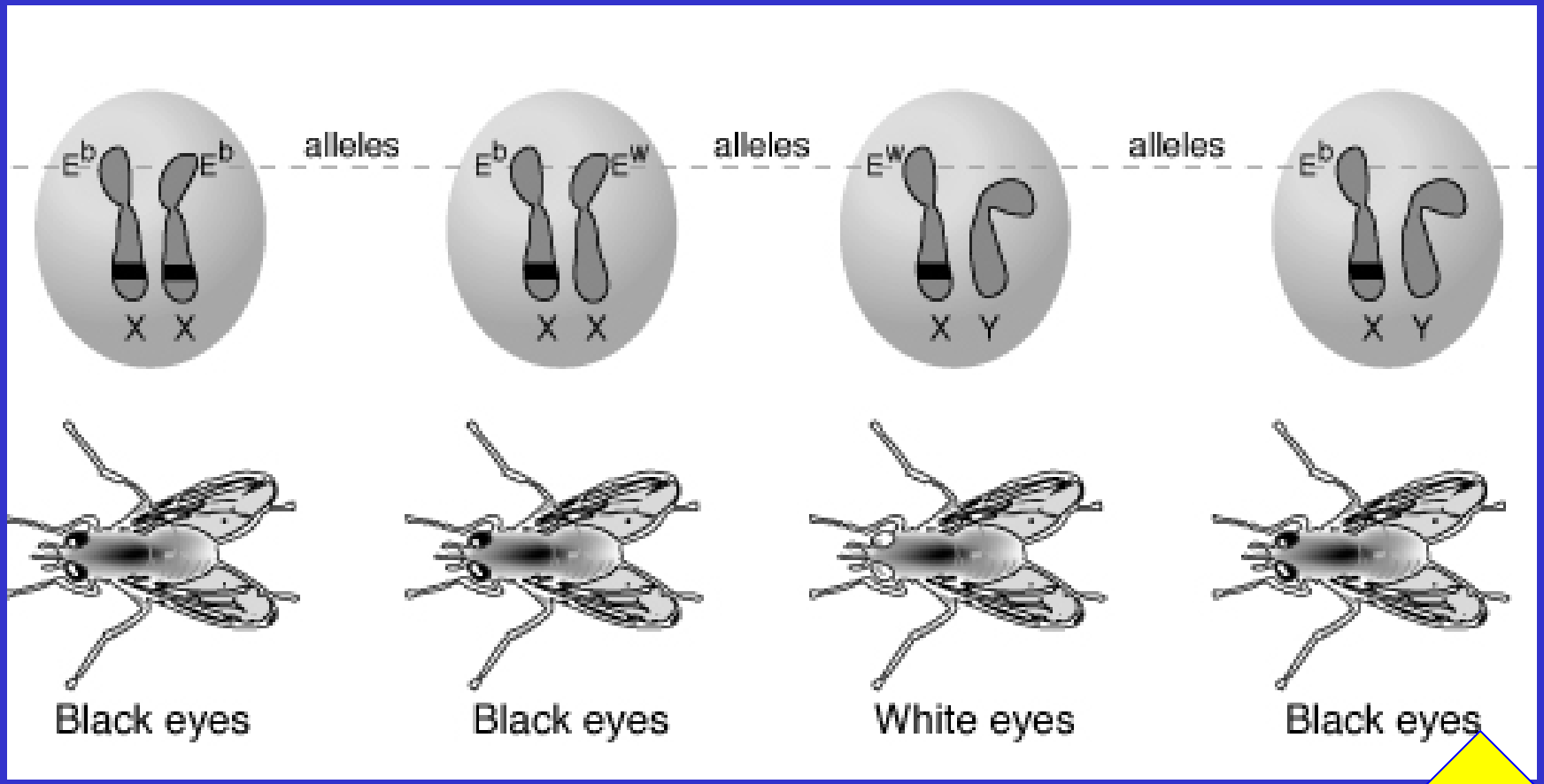
The sexual or asexual process by which organisms generate new individuals of the same kind; procreation.

What is Reproduction?



One member of a pair of genes on a chromosome that controls the same trait or characteristic.

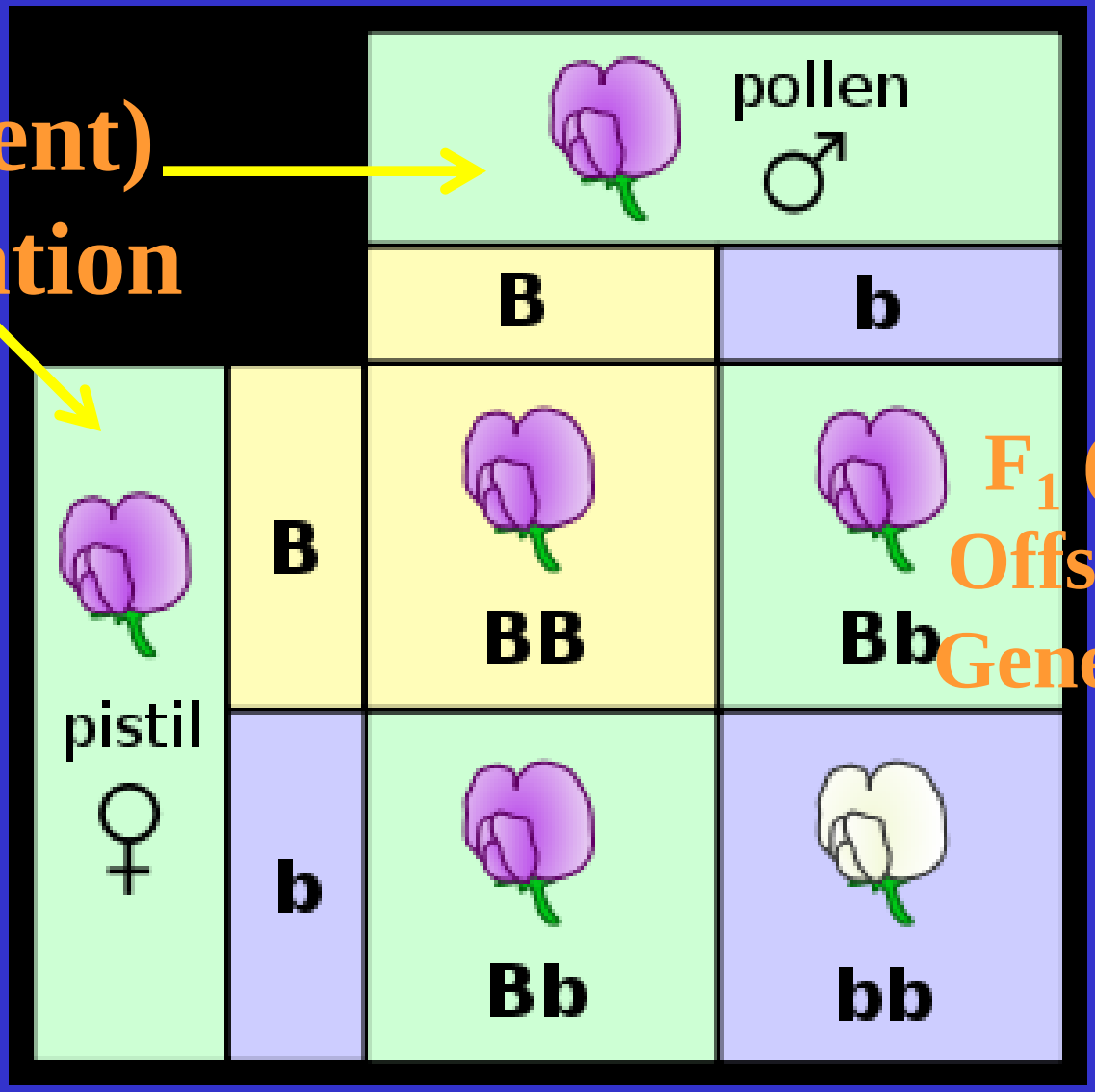
What is an Allele?



An allele on a gene that is expressed in an organism's phenotype, masking the effect of the recessive allele or gene when present.

What is a Dominant Allele?

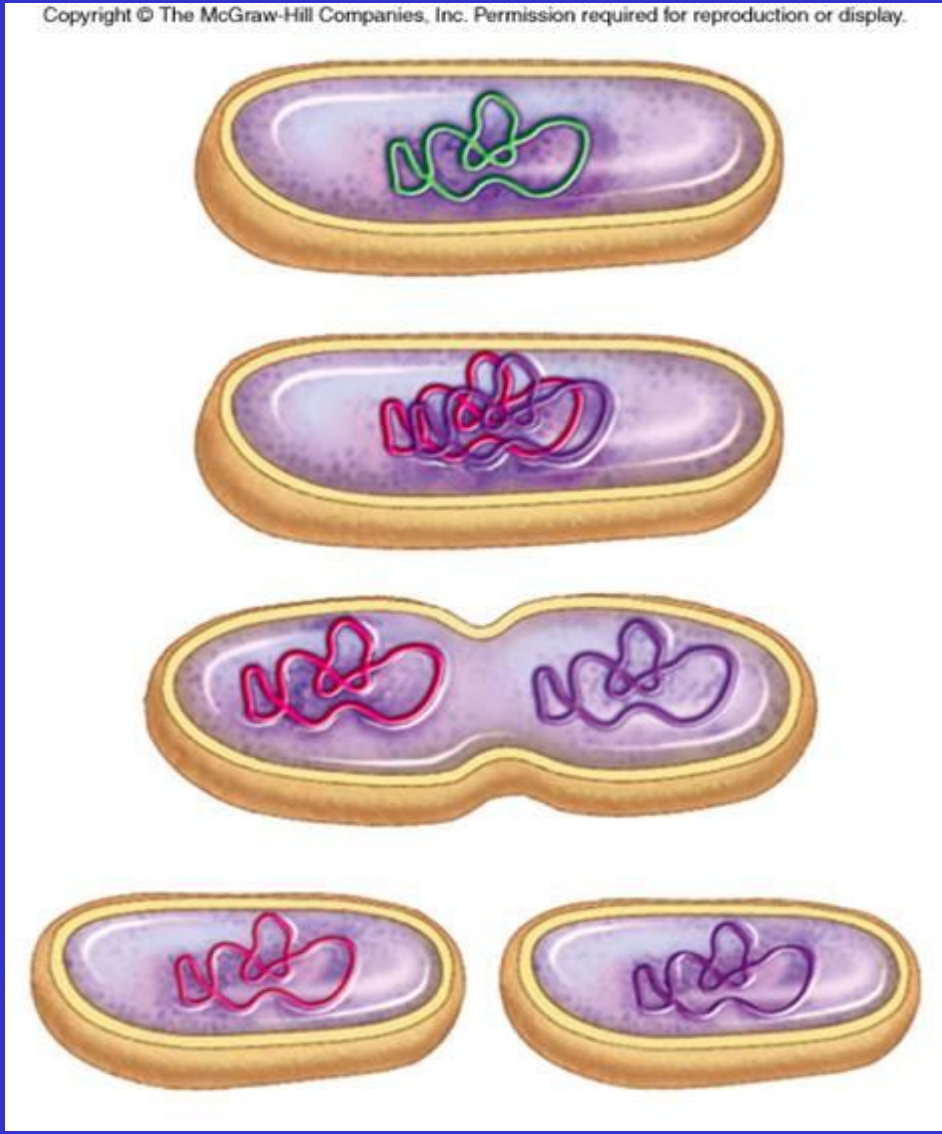
P (parent) Generation



F_1 (First Offspring) Generation

A form of asexual reproduction where prokaryotic cells divide into two separate cells.

What is Binary Fission?



A form of asexual reproduction in which a new organism develops from an outgrowth or bud on another one.

What is Budding?

1. **An organism with two *different* alleles;**

2. **or two *identical* alleles on a gene for a certain trait.**

What is Heterozygous or Homozygous?

Genetics

	G	g
G	GG	Gg
g	Gg	gg

Genotype = Gg

Phenotype = Green skin

Offspring = 75% green

25% yellow

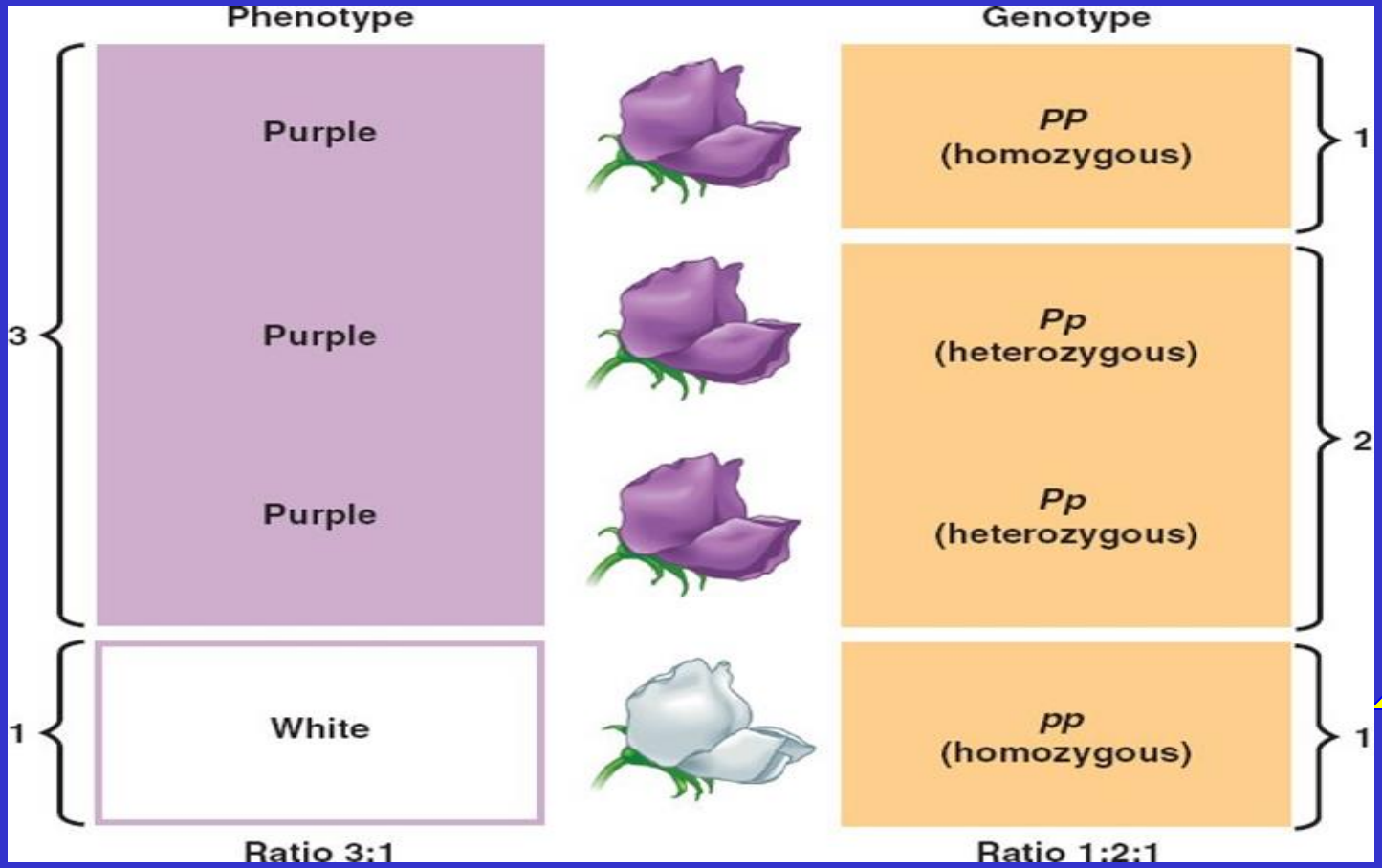
Homozygous: GG and gg

Heterozygous: Gg

1. The set of genes that an organism carries.

2. The physical expression of those genes.

What are: 1. Genotype: the set of genes that an organism carries;
2. Phenotype: the physical expression of those genes?

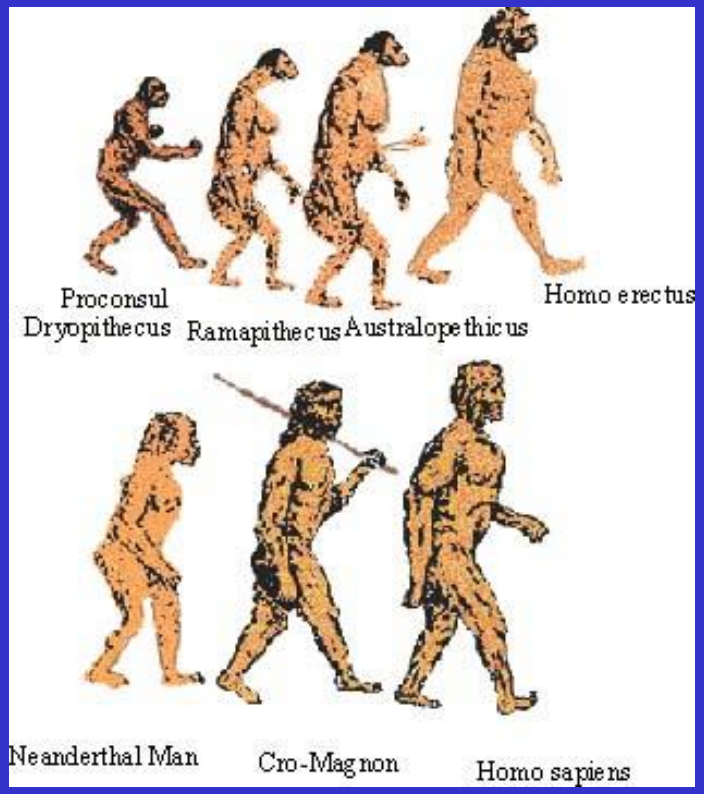


1. The process by which *groups or individuals* change behavior in order to be better suited to their environment during their lifetime;

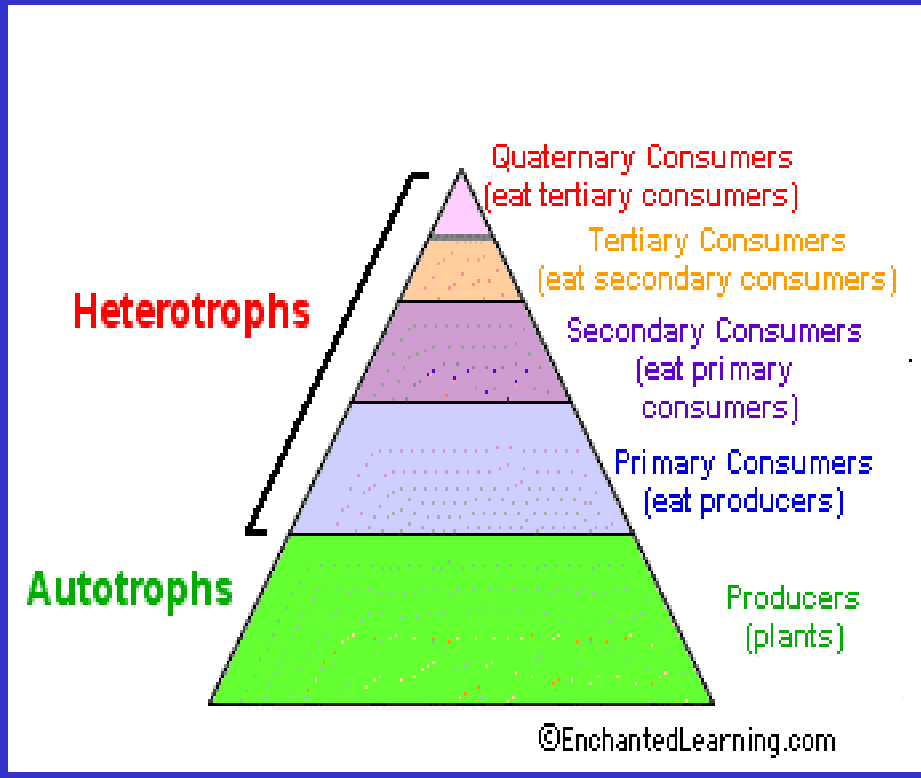
2. The process in which the genetic structure and physical anatomy change over long periods of time in response to the changes in the environment.

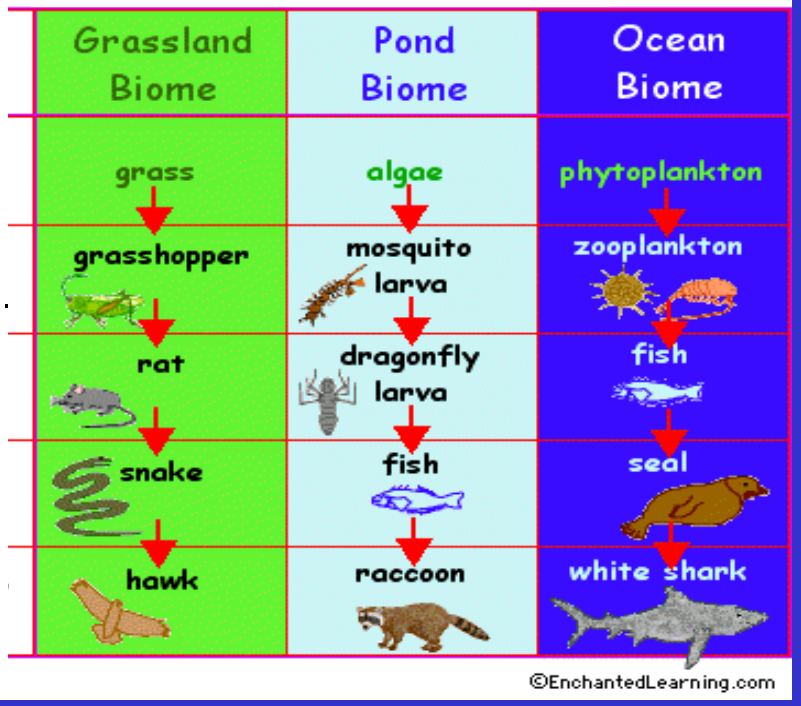
What is

1. Adaptation



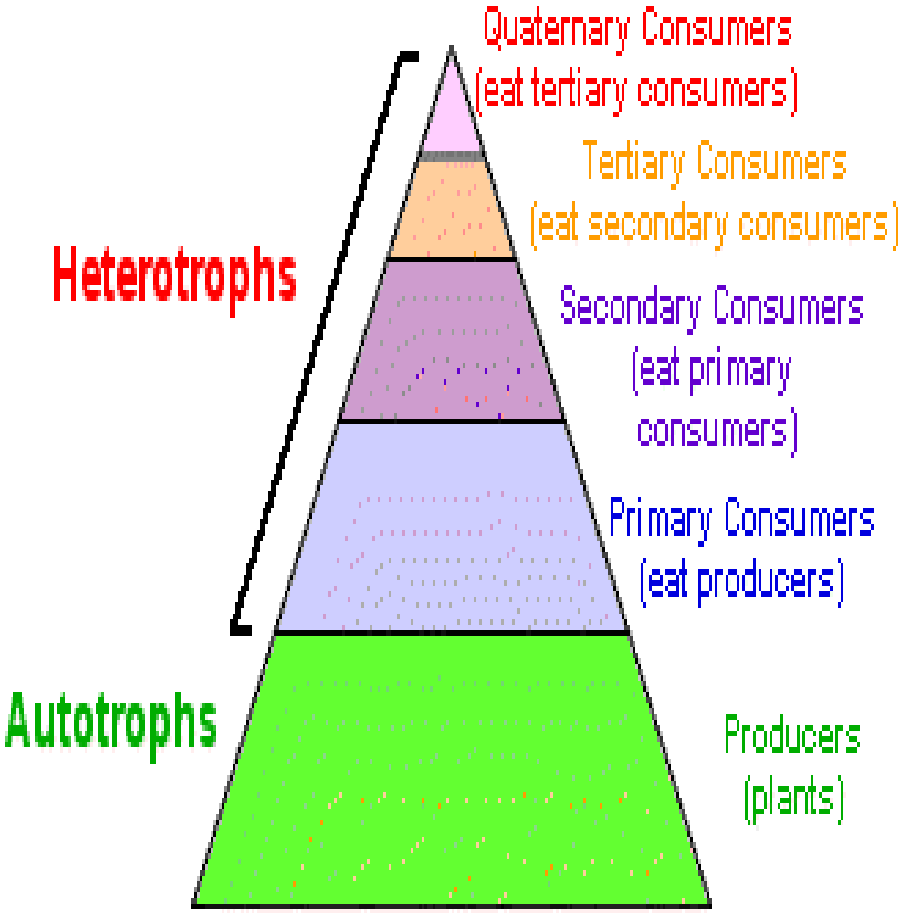
2. Evolution



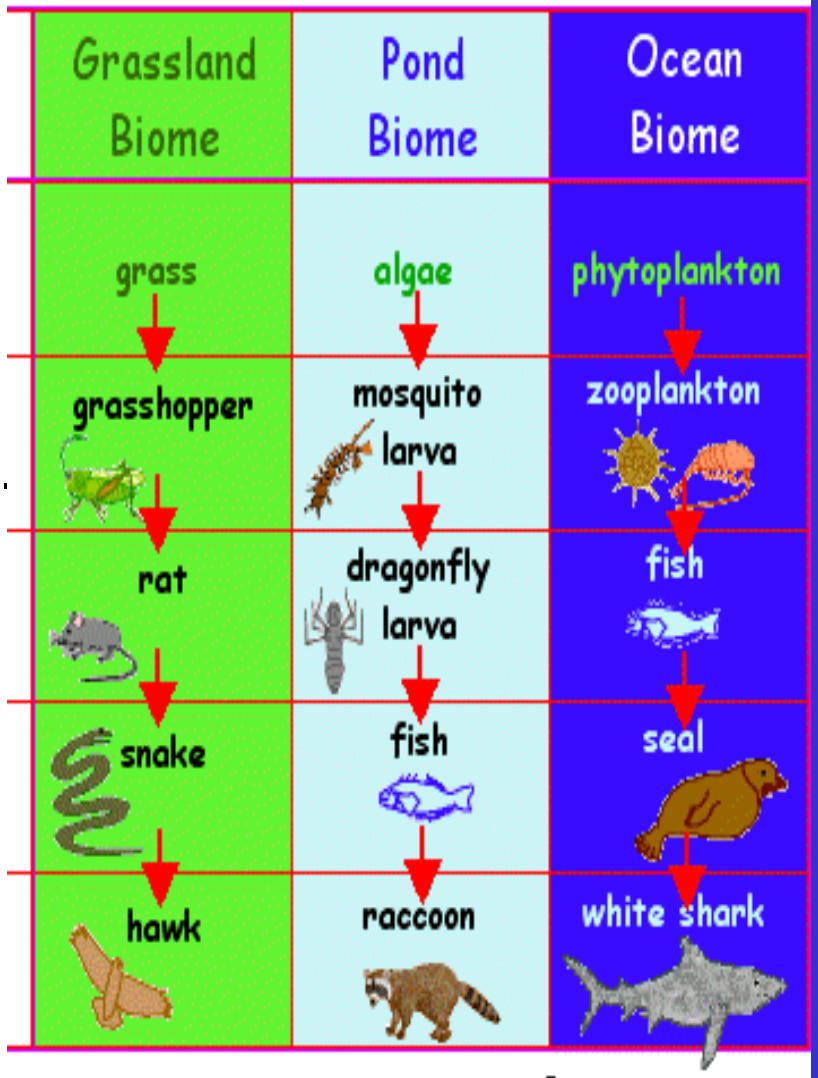


Which is a model of the Food Web? Food Chain??

The Food Web



Sample Food Chains



Eats

1. Plants

2. Animals

3. Everything

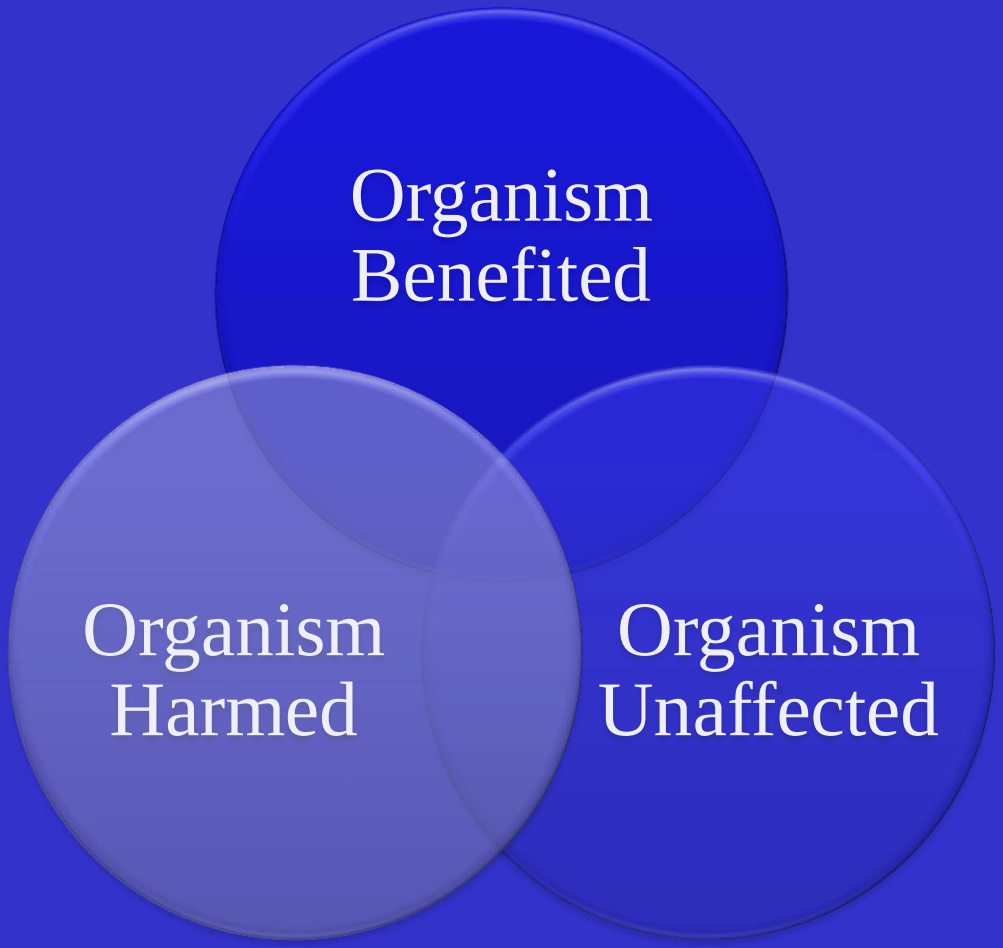
What is a/an

1. Herbivore

2. Carnivore

3. Omnivore

Relationships between Organisms

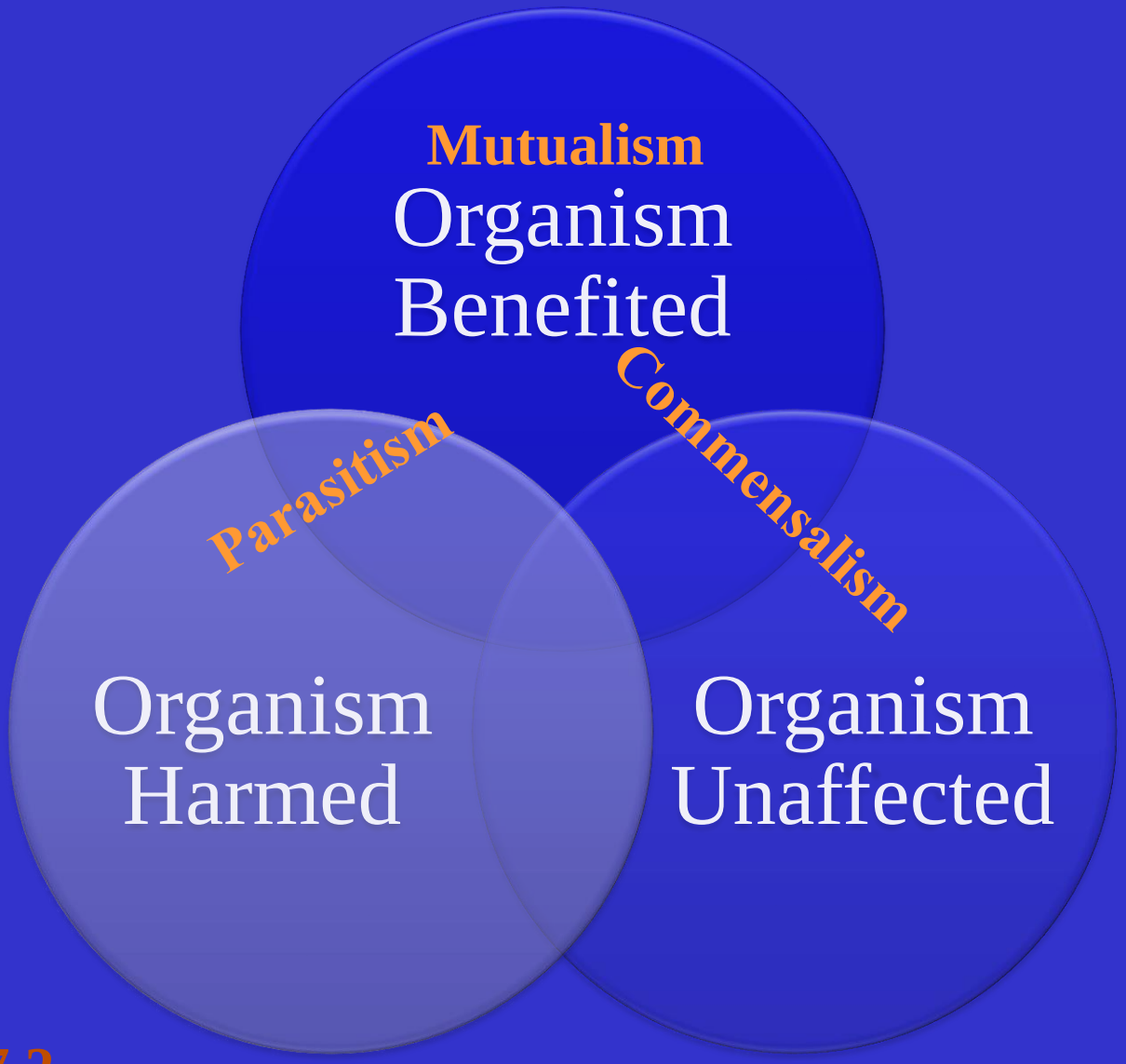


Mutualism
Commensalism
Parasitism

Place the terms correctly in the Venn Diagram.
Give an example of each relationship.

SC.7.L.17.

Relationships between Organisms



SC.7.L.17.2

Limiting Factors

SC.7.L.17.

A condition present in an environment that controls a process, particularly the growth, abundance or distribution of a population of organisms in an ecosystem.

What limiting factors are represented by the images above?
What are examples of additional limiting factors?

SC.7.L.17.3

Final Jeopardy

Make your wager

The specific area in a habitat or environment in which an organism lives.

What is a Niche?