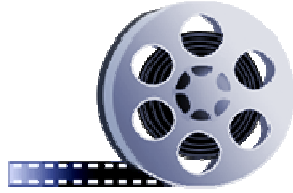


Characteristics of Living Things

What does it mean to be alive?



*If you 1.2 notes are STILL NOT DONE,
close your notebook and listen as we go over the notes.
You will have to find time on your own to complete the notes!*

Section 1.2 Notes: Read pages 9-11 to help you complete this section.

1. What do we call any living thing? ORGANISM

2. What are the five characteristics of living things?

A) Living things need RESOURCES and ENERGY.

Where do animals get their food?

EATING OTHER ORGANISMS

ADD TO NOTES ...

HETEROTROPHS

Where do plants get their food?

**MAKING THEIR OWN FOOD
USING PHOTOSYNTHESIS**

AUTOTROPHS

B) Living things are made of CELLS.

What are some of the smallest cells? **BACTERIA, PLANKTON**

What is one of the largest cells? **EGGS (BIRDS)**

C) Living things **RESPOND** to their environment.

★ What are our five senses?

SIGHT, SMELL, TOUCH, TASTE, HEARING

D) Living things **GROW** and **REPRODUCE**.

★ What are the two types of reproduction?

SEXUAL reproduction is the process by which a new organism develops from the joining of two sex cells (sperm and egg).



ASEXUAL reproduction occurs when a single organism produces a new organism identical to itself, such as **BUDDING**.

E) Living things maintain stable internal conditions, called **HOMEOSTASIS**.

Give an example.

A person sweats when they get hot so they can cool down due to evaporation.

Vocab Masters What terms do we know?

Vocabulary	Definition
Binomial nomenclature	<u>Two-name system</u> used to classify all living things (Linnaeus)
Entomology	Study of <u>insects</u>
Kingdom	2nd level - 6 groups - group of related phyla
Linnaeus	Father of classification
Phylum	3rd level, Group of related classes
Taxonomy	Study of classification
Domain	1st level - 3 groups → A, B, C

Write scientific definitions for other words we have studied.

<input type="checkbox"/> Abdomen	<input type="checkbox"/> Gizzard	<input type="checkbox"/> Proboscis
<input type="checkbox"/> Adaptation	<input type="checkbox"/> Head	<input type="checkbox"/> Pupa
<input type="checkbox"/> Arachnids	<input type="checkbox"/> Hemolymph	<input type="checkbox"/> Siphoning
<input type="checkbox"/> Antennae	<input type="checkbox"/> Homing	<input type="checkbox"/> Spiracles
<input type="checkbox"/> Arthropod	<input type="checkbox"/> Incomplete	<input type="checkbox"/> Sponging
<input type="checkbox"/> Aquatic	<input type="checkbox"/> Insects	<input checked="" type="checkbox"/> Taxonomy
<input checked="" type="checkbox"/> Binomial nomenclature	<input type="checkbox"/> Insecticides	<input type="checkbox"/> Terrestrial
<input type="checkbox"/> Biological control	<input type="checkbox"/> Invertebrates	<input type="checkbox"/> Thorax
<input type="checkbox"/> Cerci	<input checked="" type="checkbox"/> Kingdom	
<input type="checkbox"/> Chilopoda	<input type="checkbox"/> Larva	Other terms:
<input type="checkbox"/> Complete	<input checked="" type="checkbox"/> Linnaeus	<input checked="" type="checkbox"/> Domain
<input type="checkbox"/> Crop	<input type="checkbox"/> Molting	<input type="checkbox"/> _____
<input type="checkbox"/> Crustaceans	<input type="checkbox"/> Nymph	<input type="checkbox"/> _____
<input type="checkbox"/> Defense Mechanisms	<input type="checkbox"/> Ocelli (Ocellus)	<input type="checkbox"/> _____
<input type="checkbox"/> Diplopoda	<input type="checkbox"/> Ovipositor	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Entomology	<input type="checkbox"/> Parasite	<input type="checkbox"/> _____
<input type="checkbox"/> Exoskeleton	<input type="checkbox"/> Pheromones	<input type="checkbox"/> _____
<input type="checkbox"/> Ganglions (Ganglia)	<input checked="" type="checkbox"/> Phylum	<input type="checkbox"/> _____

GROUP 1

EDPuzzle - Kingdoms of Life Name _____

Part A: Watch the "Six Kingdoms" video on EDPuzzle to complete this section.


1. How many kingdoms of living things are there? _____


2. Use the codes to identify each organism based on its classification, ability to make food, the number of cells in its body, and the name of its kingdom!

ORGANISM	# of CELLS	FOOD	CELL TYPE	KINGDOM
Tree	M	All	EU	Plant
Insect				
Paramecium				
Molds				
Fish				
Amoebas				
Humans				
Cartus				
Mushrooms				

CODES M = Multicellular U = Unicellular HE = Heterotroph AU = Autotroph PR = Prokaryote EU = Eukaryote Give its name

Assignment

 Six Kingdoms of Classification **Part A (Front)**

 Crash Course: Six Kingdoms **Part B (Back)**

edpuzzle

Glue this worksheet on page 9 (FAF Right). Skip page 8 for now.

Complete BOTH sides BEFORE class TOMORROW!