

Welcome to Biology

Tuesday
9/7/21

**Phones away and
things out of ears
please -
Masks covering face
holes
Thank you!!**



Daily Agenda

1. Last Week/This Week
2. Unit 2: The Characteristics of Life
 - An Introduction
 - An Activity to Get Us Thinking
 - Parts 1 and 2



Last Week**

- Finished Our Comparative Controlled Experiment
- Used Discovery Experiments to Investigate a Phenomenon (Tie Dye Milk)
- Finished Unit 1: Science and the Experiment
- ✓ Completed Unit 1 Fill-in-Blank Notes



**Absent or Behind – Posted Slides and Advisory Periods

Used Discovery Experiments to Investigate a Phenomenon

What did we do first?

An observation → Question

Why do the dyes behave that way?

Next?

Research →

Milk is composed of...

Closer observation →

What did we notice?



Next?

Milk is mostly...

What if we replace milk with...?

Let's see what happens....

But...

Is it a controlled experiment?

What did we find?

Next?

What if we replace dye with something that will stay on the surface better?

What did we see?

What did it remind us of?



So what can we conclude?

Reproduced 1st part of the phenomenon in water, so...

What part of milk might be involved in the 1st part of the phenomenon?

We have made an amazing “discovery” → and we are correct!!

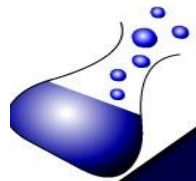
The 1st part of the phenomenon occurs because of the properties of water (but not the 2nd)

We have not answered our question in its entirety
but we have gathered valuable info in leading eventually to an answer

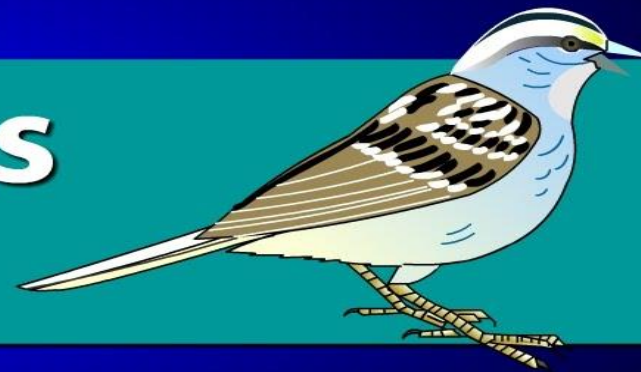
This Week

Onward to Biology!!

- Unit 2: The Characteristics of Life
 - A Topic You Probably Know Something About
 - An Activity Involving Discussion and **Observation**
 - Lecture notes, Video learning, Coloring



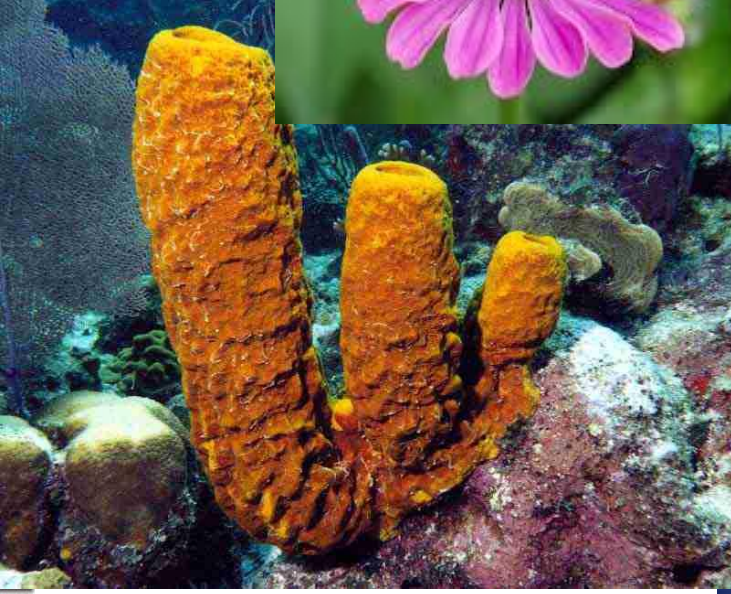
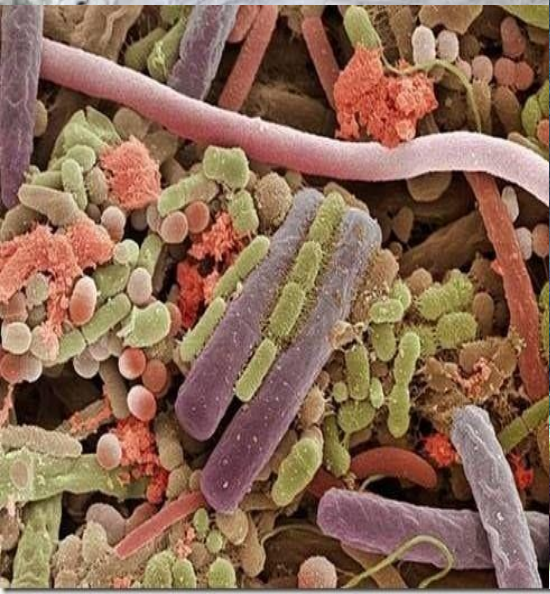
Characteristics of Life



8

What is Life??

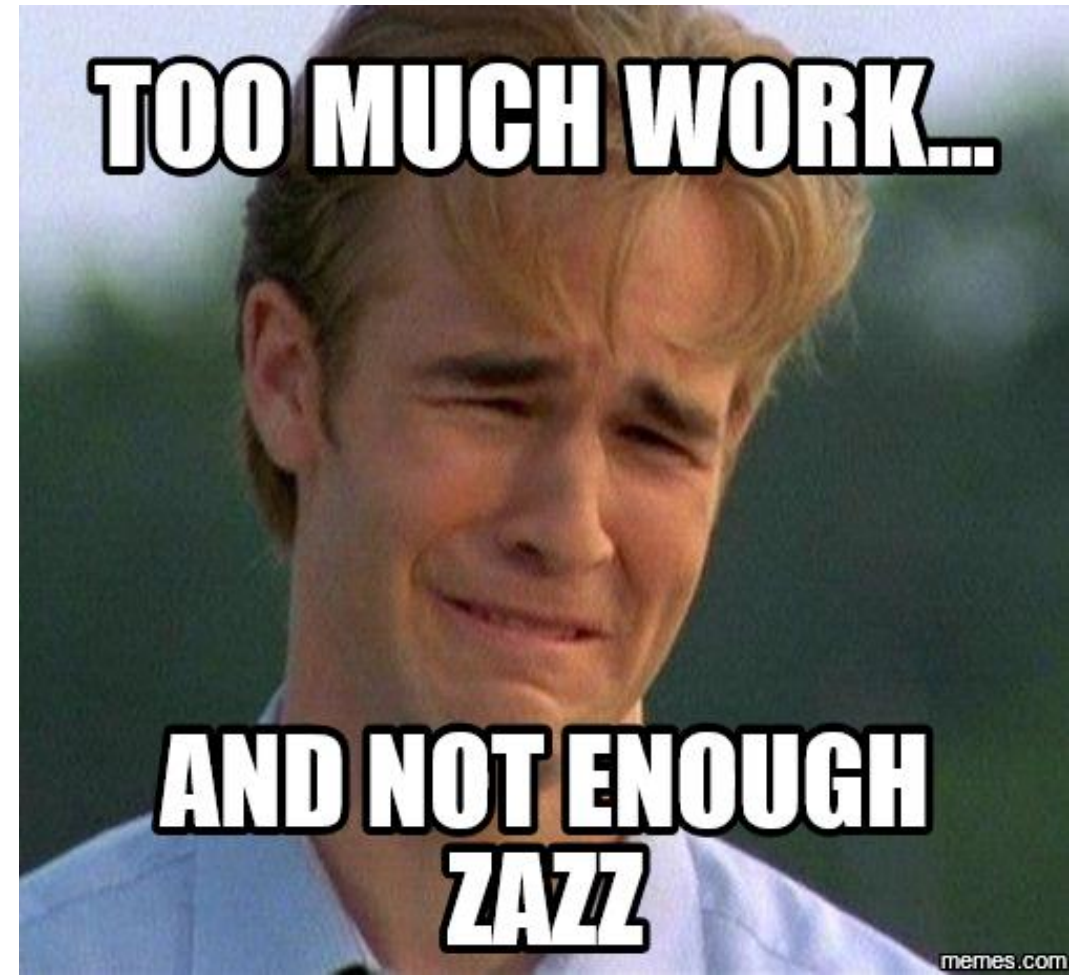
The Characteristics of Living Things



What are the Characteristics of Life?

In this activity you will...

- ✓ Think about what you already know
- ✓ Share knowledge with your colleagues
- ✓ Apply your understanding to categorize a number of things as living, nonliving, or something else



What are the Characteristics of Life?

9/7/21

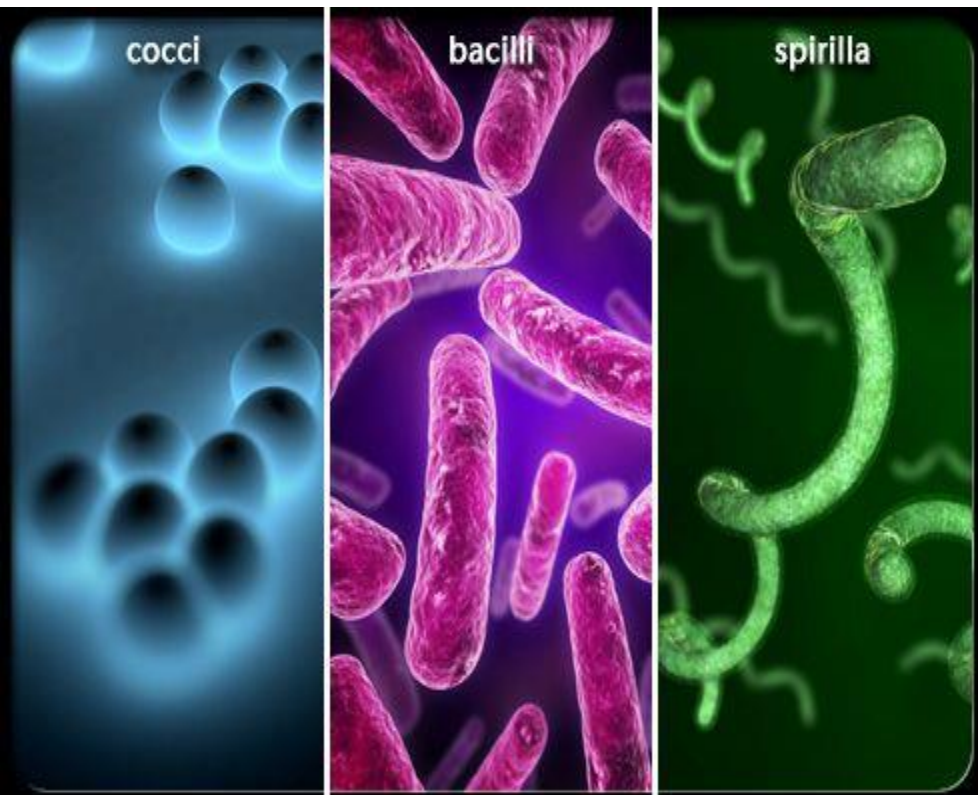
Students should title their activity sheet with the full title given above.

Place your name, date and period in the upper right hand corner.

Copy the following objective...

Objective

To better understand and discuss eight fundamental characteristics that are shared by all living things



SUBTITLE THE FIRST SECTION “PART 1 INDIVIDUAL RESPONSE”

Consider the following prompt and then answer in your activity sheet...

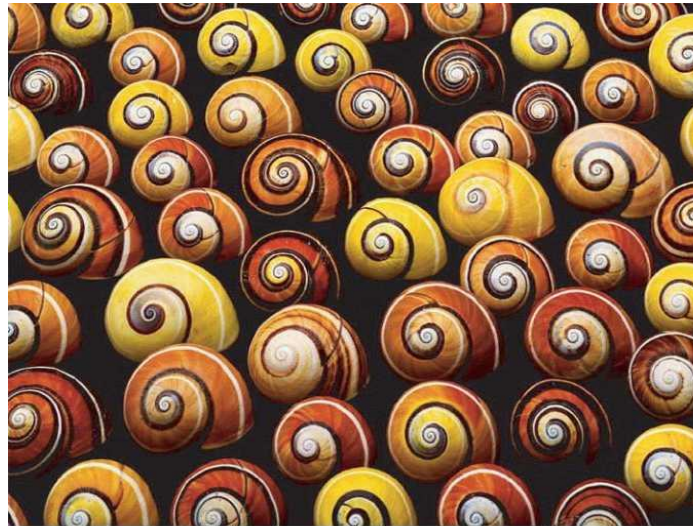
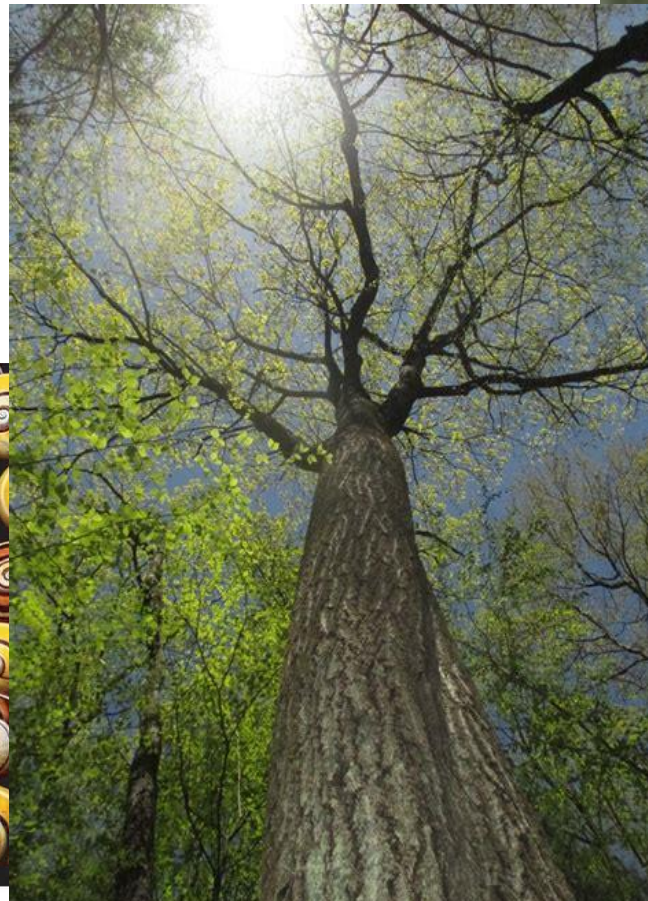
List characteristics that are shared by all living things. What characteristics make a living thing living? All living things.....

Describe as many characteristics as you can think of. Try to describe only fundamental characteristics shared by all living things.

(How many will we eventually list?

Try for at least 8!)

Give a little detail with each characteristic. What do you mean? If you say “All living things eat”... does a tree eat??



Cuban tree snails (*Polymita picta*)

SUBTITLE THE SECOND SECTION “PART 2 TEAM RESPONSE”

Meet with your team. Discuss lists in the manner described.

Edit your list to come up with the best list you can produce – at least 8.

Can you come up with the same 8 given in our biology curriculum?

**Before you start,
record your lab
table number
and your
partners' first
and last names.**



Lab Table: _____

Partners: _____

PART 2 TEAM RESPONSE

Meet with your team.

Record Team Info (names, lab table)

Student #1 shares their best item.

Team agrees/edits/disagrees.

Number and write item.

Write at least one line of detail.

Student #2 shares their best item.

Team agrees/edits/disagrees.

Number and write item.

Write at least one line of detail.

and so on

At least 8 but more better

Let me know when your group has compiled
your master list.



Lab Table: _____

Partners: _____

**Before you start,
record your lab
table number
and your
partners' first
and last names.**