

1. Set up planner w/ essential questions & due dates.
2. Set up Cornell Notes on pg 17.
3. Goal Setting- Finish copying to top pg 10.

S	M	A	R	T
Specific	Measurable	Attainable	Realistic	Timely
What <u>specifically</u> do you want to do?	How will you know when you've reached it?	Is it in your power to accomplish it?	Can you realistically achieve it?	<u>When</u> exactly do you want to accomplish it?

Create three goals.

Goal 1: Something that has to do with the content (think about out “me map” activity).

Goal 2: Something you hope to accomplish in this class.

Goal 3: Something you hope to accomplish this year in school.

Me Map.

1. I know where all of my classes are in the building.
2. I feel comfortable with the scientific method.
3. I can graph data.
4. If can create questions that would guide data collection.
5. I can create a data table.
6. I feel confident with creating conclusion statements for labs.

Characteristics of Living Things

Quickwrite pg 16.

1. What is biology?
2. How do we know if something is alive?

Group Work- add list to pg 16

Work in your table groups to decide what characteristics determine if something is living or nonliving.

Write highlighted sections on pg 18.

Purpose: To discuss the characteristics that differentiate between living things and nonliving things.

Materials: tray of items, data table, Thinking Skills...

Procedure:

1. Brainstorm with class what characteristics are required for living things.
2. Make a data table to record your results.
3. View items and discuss which are alive, which are not, and why. Give two statements to support YOUR decision. Write in Complete Sentences!

Data: Design a table to collect your data.

Conclusion:

After going through the notes in biology class, write a short conclusion to include the following: Restate the purpose of the lab activity, write two scientific statements that you learned by working through this activity.

Item	Living/ Nonliving	Reason 1	Reason 2
Fire			
Bubbles			
Yeast			
Plant			
Garden Seeds			
Cork			
Apple			
Rock			

Cornell Notes- pg 17

Biology is the study of life!

1. All living things are made up of cells, the basic unit of life.

- Unicellular: an organism made up of a single cell that carries out all life functions.
- Multicellular: an organism made up of 2 or more cells (usually billions of cells) that carries out life functions.

Life functions are those activities or functions carried out by all living things. They include...

2. Reproduction: making more of its own kind

3. All living things are based on a genetic code- DNA (each living thing has a different DNA code).

4. Growth and development: get larger and/or a cycle of change; aging, metamorphosis (insects)

5. Obtain and Use Energy - Respiration using oxygen to release energy trapped in food (not breathing)

6. Response to environment - (to stimulus) adaptation: reacting to changes in the environment

7. Homeostasis – Ability to maintain constant conditions

- Excretion: the ability to remove waste from the cell
- Secretion: making and giving off useful chemicals

8. Evolve – all living things change over time groups or species evolve....small changes over time can add up to large differences.

Today we understand that changes in DNA give organisms the ability to evolve.

Conclusion

Review the statements you wrote for the lab. Using complete sentences, describe the mistakes you made and give the correct answer. Explain how your answer has changed with reasons “why” from lecture.

I stated _____. Now I know, _____ because_____.

Example: I stated that the fire was alive because fire can move and reproduce. Now I know that fire is not alive because fire is not made of cells and therefore is not a living thing.

Item	Living/ Nonliving	Reason 1	Reason 2
Fire	No		
Bubbles	No		
Yeast	Yes		
Rock	No		
Garden Seeds	Yes		
Cork	No		
Plant	Yes		