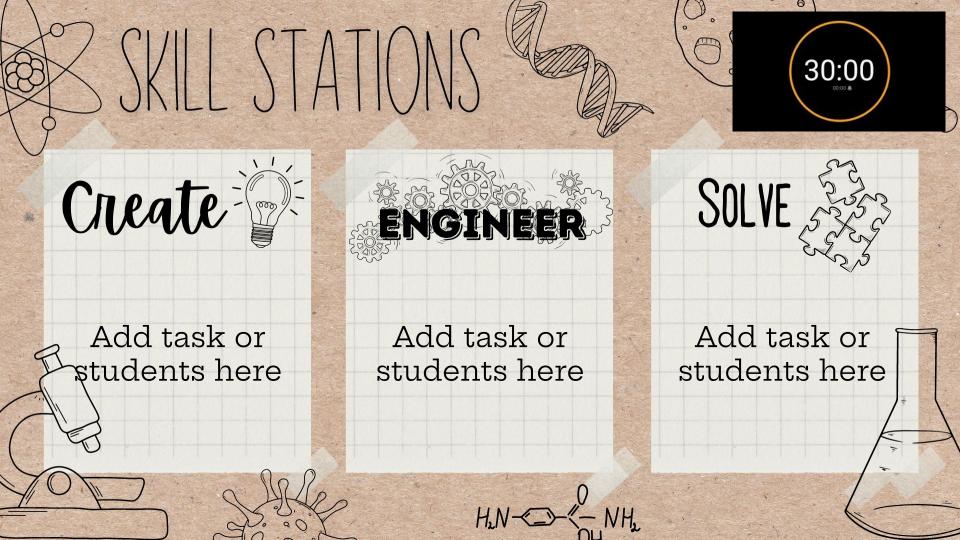
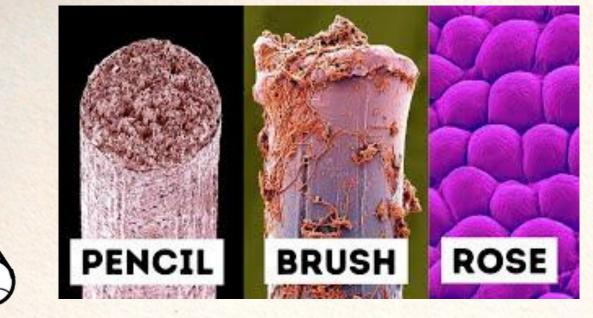




Microbial Me Week 1

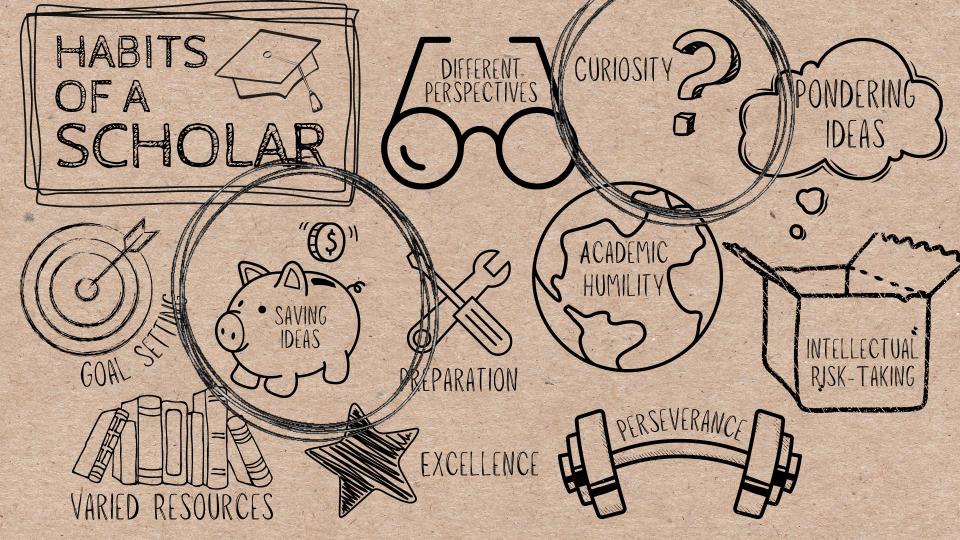






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LET'S GET CURIOUS!



SYSTEMS HAVE PARTS THAT
SYSTEMS HAVE PARTS THAT
COMPLETE A
TASK.

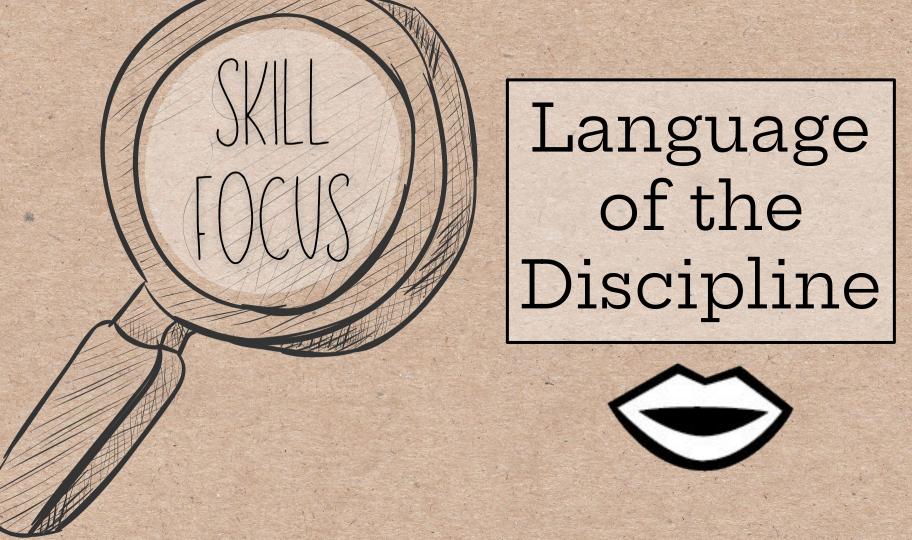
SYSTEMS INTERACT.

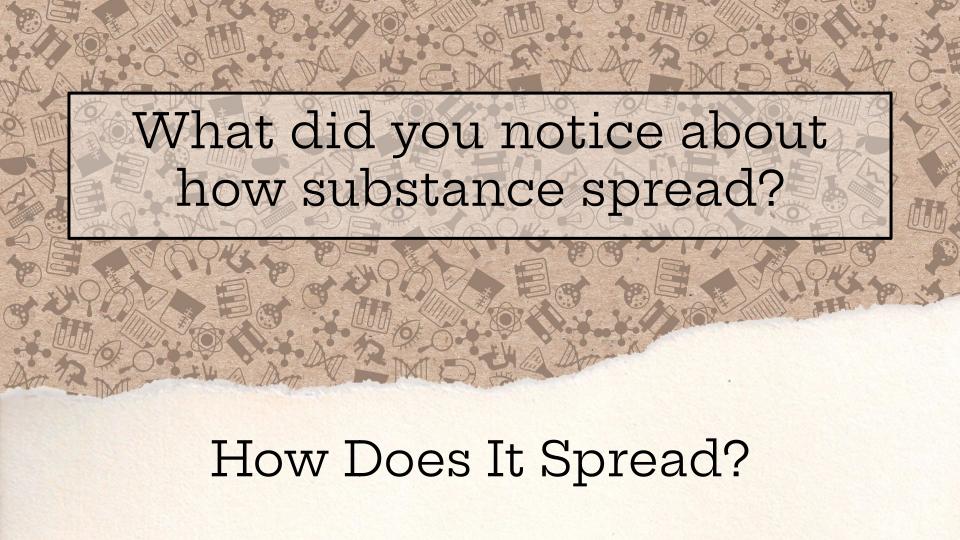
SYSTEMS FOLLOW RULES. SYSTEMS OF CENERALIZATIONS

PARTS OF SYSTEMS ARE INTERDEPENDENT UPON ONE ANOTHER AND FORM SYMBIOTIC RELATIONSHIPS.

A SYSTEM MAY BE INFLUENCED BY OTHER SYSTEMS.

SYSTEMS ARE COMPOSED OF SUBSYSTEMS.





Microbiology is the study of microorganisms. A microorganism is a living thing that can only be seen under a microscope. A microbiologist is a scientist who studies microbiology.

micro=small bio=life

ology=study of

What is microbiology?





Let's Explore

Look at the <u>parts of a</u> microscope diagram.



Let's Explore

- Look at the prepared slides under the microscope.
- In your journal, draw what you see.

IS IT A SYSTEM? ARA

DOFS THE INTERACTION OF THE PARTS PRODUCE AN FFFF CT THAT IS DIFFERENT FROM THAT OF ANY PART ON ITS OWN?

ARE THERE PARTS?

DOES IT MATTER HOW THE PARTS ARE ARRANGED?

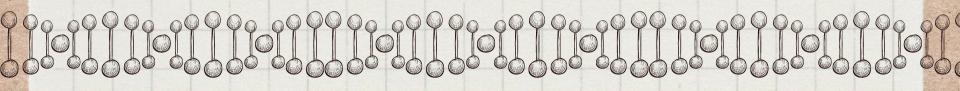
DO THE PARTS
AFFECT EACH
OTHER?

DOES THE BEHAVIOR OF THE SYSTEM CHANGE IF A PART IS TAKEN AWAY?

Where can microorganisms be found? Everywhere!

- Play Bacteria in the Cafeteria.
- Name ways that bacteria are both good and bad for us.







Microbial Me

- Swab your fingerprint onto an agar plate.
- Tape the petri dish closed and write your name on the outside.
- Complete the first page of the lab sheet.



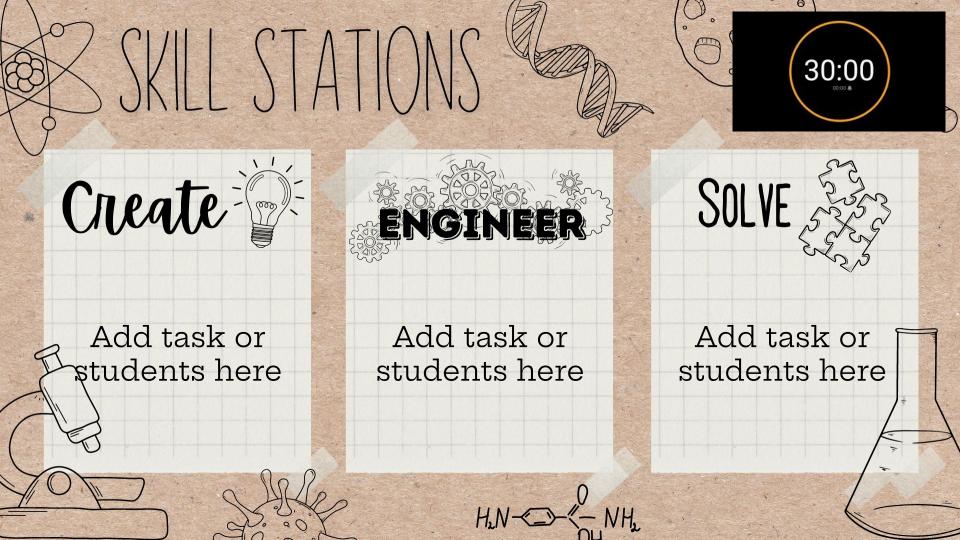
LET'S REFLECT

What systems did we explore today?
How do they fit the systems test?



Microbial Me Week 2







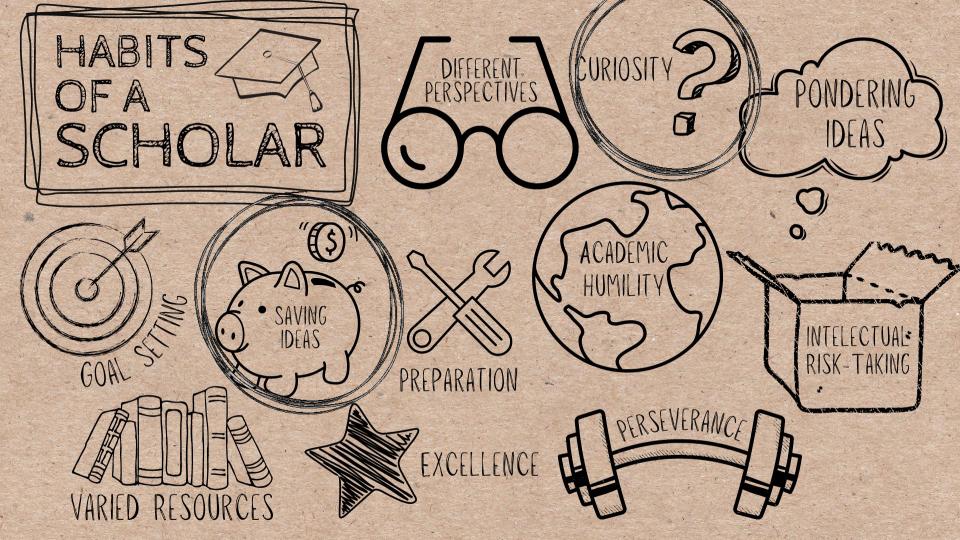
???

LEI'S GEI CURIOUS!

.50

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SYSTEMS HAVE PARTS THAT WORK TO COMPLETE A TASK.

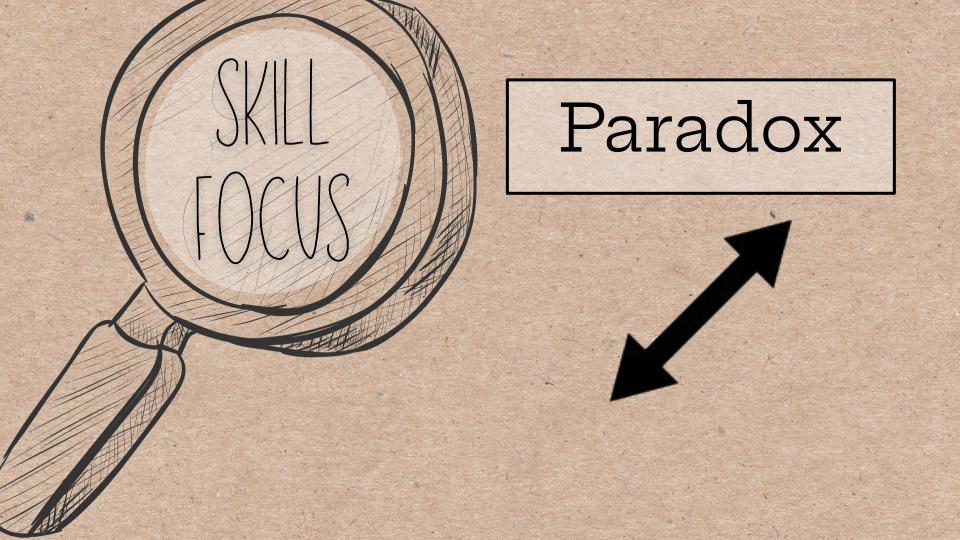
SYSTEMS INTERACT.

SYSTEMS FOLLOW RULES. SYSTEMS IN GENERALIZATIONS

PARTS OF SYSTEMS ARE INTERDEPENDENT UPON ONE ANOTHER AND FORM SYMBIOTIC RELATIONSHIPS.

A SYSTEM MAY BE INFLUENCED BY OTHER SYSTEMS.

SYSTEMS ARE COMPOSED OF SUBSYSTEMS.





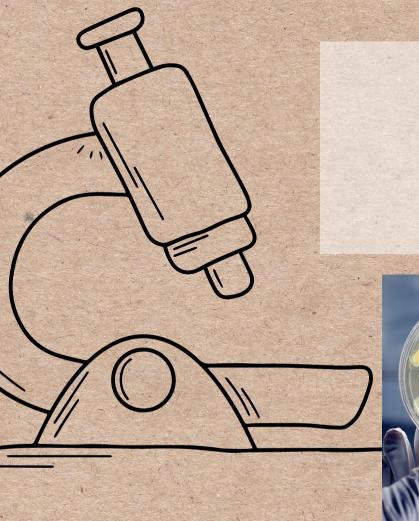
A Garden in Your Belly

- What is a microbiome?
- Do you recognize any of the roots from last week?



Microbial Me

- Find your agar plate. <u>DO</u>
 NOT OPEN IT!!
- Observe it with a hand lens
- What do you notice has changed over time?
- Complete the rest of the <u>lab</u> sheet.



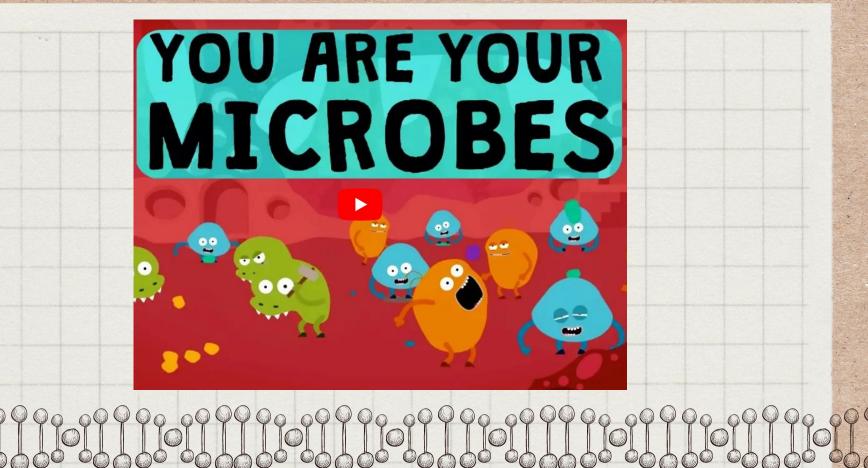
Microbial Me

COLONY MORPHOLOGY

Describing colony morphology has become primary step in microbial identification

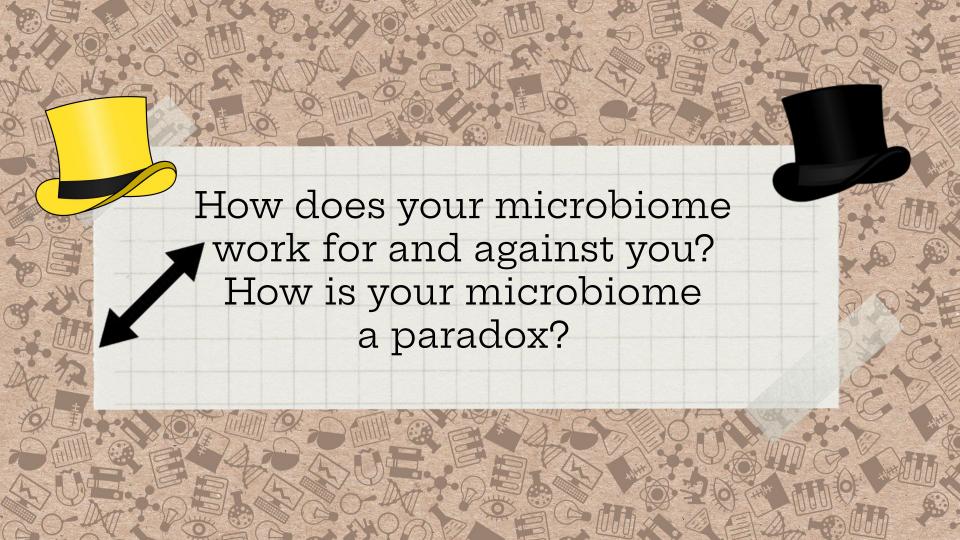
Different types of pacteria can form different types of colonies

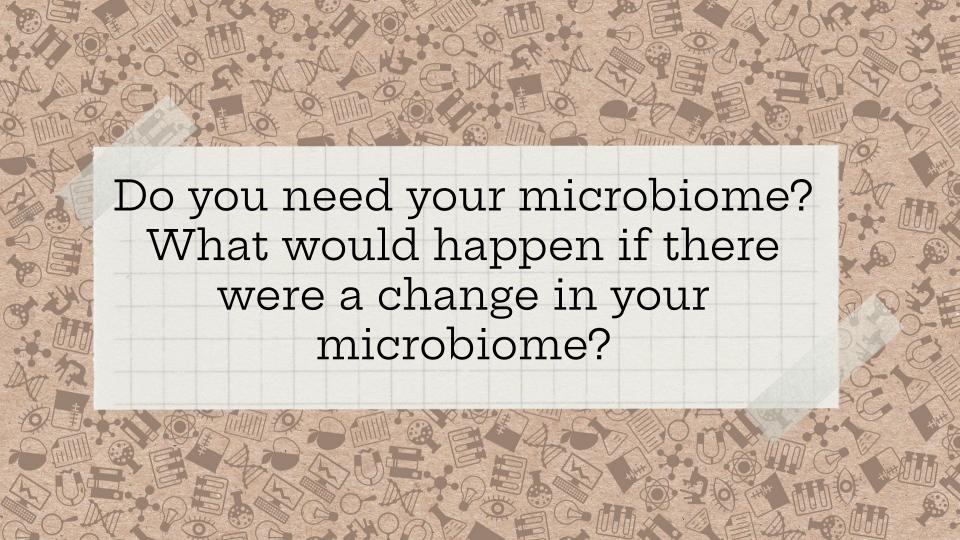




- Play Gutsy.
- Name ways that bacteria are both good and bad for us.







IS IT A SYSTEM? ARA

DOFS THE INTERACTION OF THE PARTS PRODUCE AN FFFF CT THAT IS DIFFERENT FROM THAT OF ANY PART ON ITS OWN?

ARE THERE PARTS?

DOES IT MATTER HOW THE PARTS ARE ARRANGED?

DO THE PARTS
AFFECT EACH
OTHER?

DOES THE BEHAVIOR OF THE SYSTEM CHANGE IF A PART IS TAKEN AWAY?



LET'S REFLECT

What systems did we explore today?
How do they fit the systems test?

Use RAFT.

R(ole) - Take on the perspective of a microorganism or a microscope.

A(udience) - Other students.

F(ormat) - narrative story or a comic strip

T(opic) - Tell what a day in your life is like. Be sure to include a problem and solution.

