

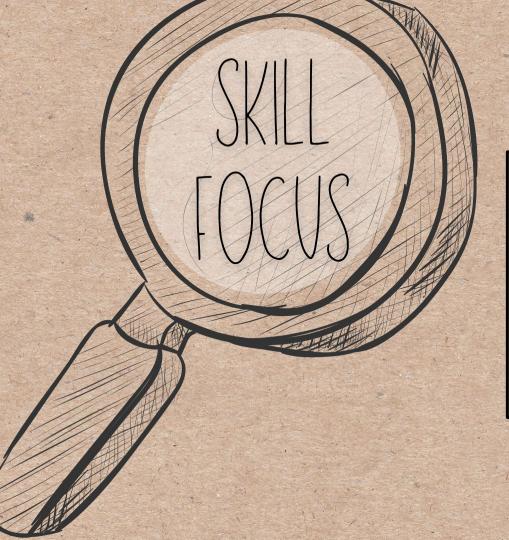
#### What is a system?

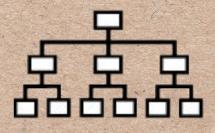
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Brainstorm a list of systems that come to mind.

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Rules

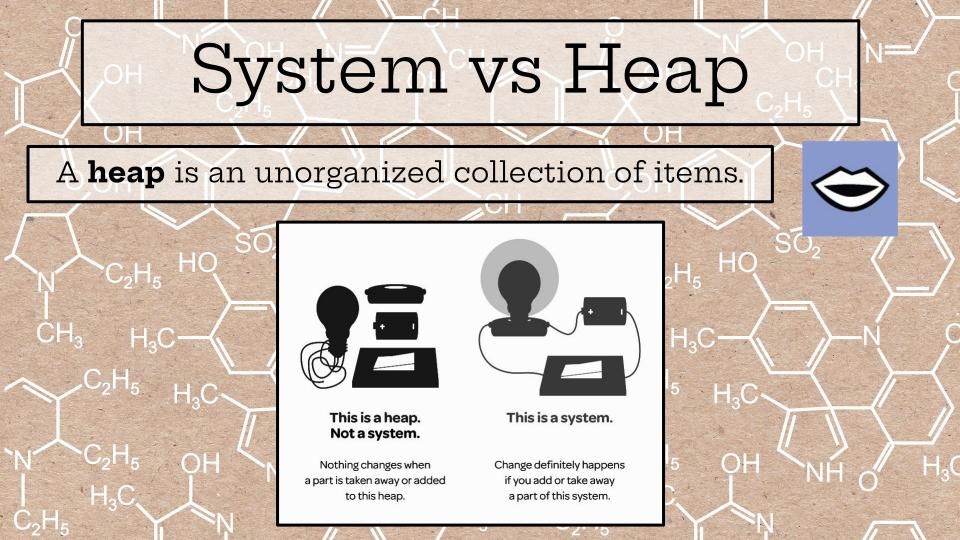
Laws, expectations, standards and methods in a given field



Big Idea

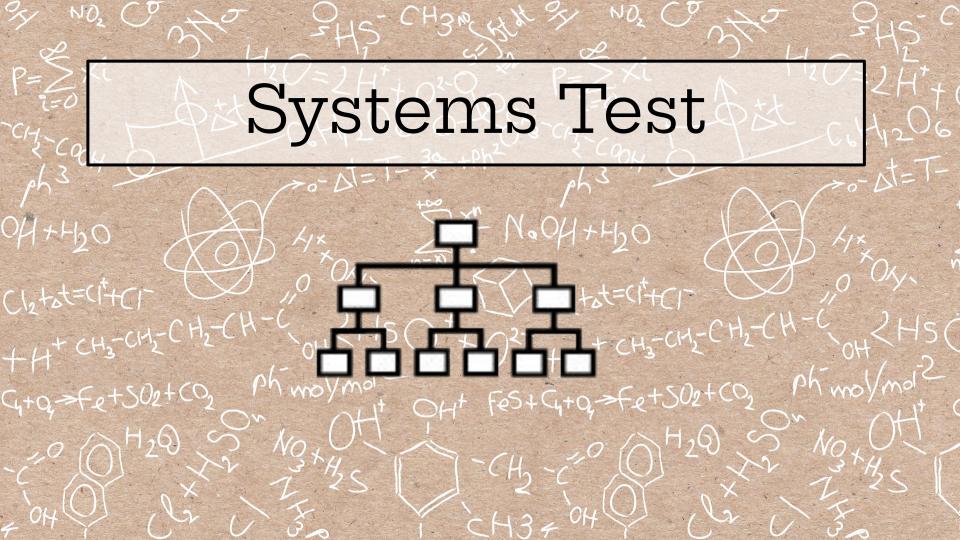
Overarching statement about a theme or topic Based on your definition of a system, does this bag of items contain a system?

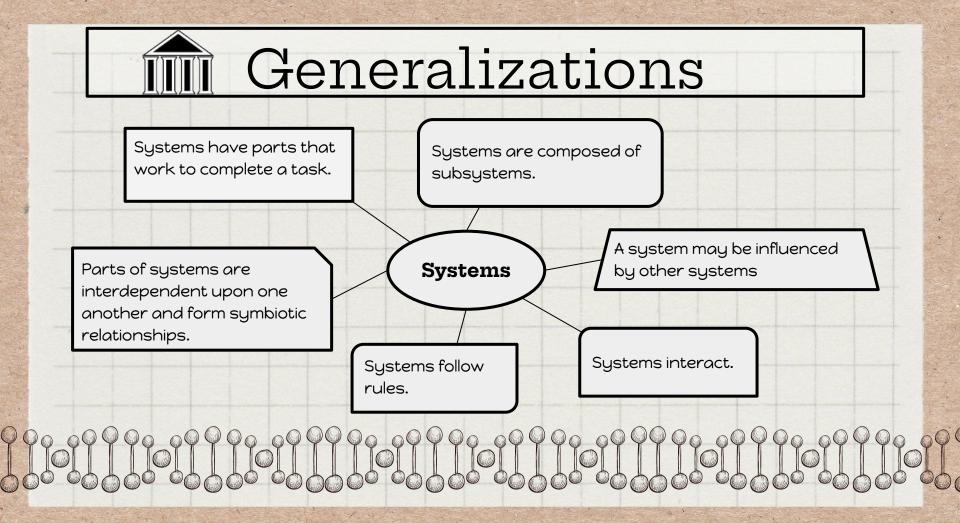
#### Based on your definition of a system, does this new bag of items contain a system?





### What are <u>Systems</u>?





#### SKILL STATION: ENGINEER

#### EXPECTATIONS

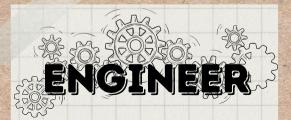
• WHAT TOOLS ARE AVAILABLE? • WHAT DOES IT LOOK LIKE? • WHAT DOES IT SOUND LIKE? • WHAT DOES IT FEEL LIKE? • WHAT DEFINES SUCCESS?

# ENGINEER

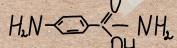
As engineers, we are... • Collaborating • Constructing • Communicating • Evaluating

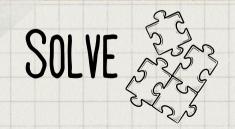
### SKILL STATIONS





Use the materials in the Engineer Station to create an example of a system.





## LET'S REFLECT

- 1. Looking at the system you created in Engineer, what outside factors would most likely cause your system to fall apart?
- 2. How much change would there be in your system if pieces were put in a different place?
- 3. Which generalization statement does your system model prove and how?
- 4. Are there any other parts that could be added to your system that would improve it?