**Lesson 3**

**Variation: Causes and Analysis**

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Description automatically generated

**Activator/Bell Ringer/Starter**

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Look at the class data and write down two observations.



Additional observations:



**Loop Flexibility Variables**

1. Write down your group’s hypothesis for the main cause or causes of variation between the loops.

Example format: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ seems to make loops more flexible and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ seems to make loops less flexible (more stiff/rigid).

1. Fill in the table below after the class discussion.

|  |  |
| --- | --- |
| Variable | Impact on Loop |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Ticket-Out**

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1. Looking at our list of variables that impact our bioplastic’s flexibility, describe how temperature and solution concentration (the amount of water) might impact each other.
2. Describe how a scientist might keep those two variables from impacting each other..

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