



## Problem Set Builder

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Assignment 02

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### Assignment Editor

#### A. Experimental Setup

- ☐ Create new experimental setup
- ☒ Copy and edit an existing experimental setup

Experiment 1



#### 1. Which experimental setup variables are in your experimental setup? (Select all that apply)

- ☐ Strains
- ☒ Treatments
- ☒ Treatment Concentration
- ☒ Temperature
- ☒ Treatment Start Time
- ☐ Treatment Duration
- ☐ Collection Time

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2. In this question, you will define the number of each variable that is relevant in your experiment setup.

a) How many strains do you have?

b) How many different treatments and treatment concentrations do you have?

i. How many different treatments do you have?

ii. How many different concentrations do you have for Treatment 1?

iii. How many different concentrations do you have for Treatment 2?

c) How many different temperatures do you have?

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3. In this question, you will further define and name each of the variables in your experiment setup.

a) Enter the name of each of your strains.

1.  X
2.  X
3.  X

[ADD ROW](#)

b) Define your treatments and treatment concentrations.

- |    | Treatment Name                           | Treatment Concentration                    | Treatment Concentration Units           |                |
|----|--|--|---|----------------|
| 1. | <input type="text" value="Treatment 1"/> | <input type="text" value="Concentration"/> | <input type="text" value="Strain A"/> ▼ | <span>X</span> |
| 2. | <input type="text" value="Treatment 2"/> | <input type="text" value="Concentration"/> | <input type="text" value="Strain B"/> ▼ | <span>X</span> |

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4. Below is your experimental setup so far. Please review the setup. In this table, you can delete row(s) and sort each row into descending/ascending order. If you would like to change the number and /or names of each of your experimental variables, go back to edit the setup.

#### Add Samples

	Strain	Treatment	Treatment Concentration	Temperature	
<input type="checkbox"/>	Strain A	Treatment A	100 ng/mL	30 C	X
<input checked="" type="checkbox"/>	Strain A	Treatment A	100 ng/mL	30 C	X
<input checked="" type="checkbox"/>	Strain A	Treatment A	100 ng/mL	30 C	X
<input checked="" type="checkbox"/>	Strain A	Treatment A	100 ng/mL	30 C	X
<input checked="" type="checkbox"/>	Strain A	Treatment A	100 ng/mL	30 C	X

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