



Problem Set Builder

Your Assignments:

Create A New Assignment

Current Assignments

Assignment 01



Assignment 02

Assignment Drafts

Draft 01

Draft 02

Archived Assignments

Archived Assignment 01

Archived Assignment 02

Assignment Editor



A. Experimental Setup



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

Experiment 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

SAVE AND CONTINUE ►





Problem Set Builder

Your Assignments:

[Create A New Assignment](#)

Current Assignments

Assignment 01



Assignment 02

Assignment Drafts

Draft 01

Draft 02

Archived Assignments

Archived Assignment 01

Archived Assignment 02

Assignment Editor

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?

[← BACK](#)
[SAVE AND CONTINUE ►](#)




Problem Set Builder

Your Assignments:

[Create A New Assignment](#)

Current Assignments

Assignment 01



Assignment 02

Assignment Drafts

Draft 01

Draft 02

Archived Assignments

Archived Assignment 01

Archived Assignment 02

Assignment Editor



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"/> ▼	X
2.	<input type="text" value="Treatment 2"/>	<input type="text" value="Concentration"/>	<input type="text" value="Strain B"/> ▼	X

ADD ROW

◀ BACK

SAVE AND CONTINUE ▶



Problem Set Builder

Your Assignments:

Create A New Assignment

Current Assignments

Assignment 01



Assignment 02

Assignment Drafts

Draft 01

Draft 02

Archived Assignments

Archived Assignment 01

Archived Assignment 02

Assignment Editor



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

BACK

SAVE AND CONTINUE