Name:_____ Date:_____

LAB 2G: Getting It Together
Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

Putting data together

Looking at Stress/Chill

Deciding how to merge

(1) To answer the research question of interest, would it make more sense to *stack* or *join* our `colors` and `stress` data?

Finding variables in common:

(2) Which variables do the datasets have in common?

(3) Which variable would make sense to merge the datasets together with? Why not the others?

Caution required

Getting ready

(4) After we add the data from *colors* to *stress*, how many rows should our merged data have? Write this number down.

Putting them together

(5) Fill in the blanks below to join the information from the `colors` data onto the `stress` data.

```
merge(__________, __________, by = "__________")
```

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Saving your data:

(6) Why didn't we stack the rows of data instead?

(7) What happens if you swap the order of the datasets in the `merge` function?

Moving on

(8) Write and run code making a few plots using variables from the `stress` data and *facet* or *group* the plots based on variables from the `colors` data.

(9) Write down the most interesting discovery you made by just exploring your data. Write out how you found your discovery and interpret what it means for the people in your class.

(10) With our `colors` data, we could answer questions about the *typical* color scores in your class. Why can we no longer answer this question in our `stress_colors` data?