a. The investigation, is anecdotal, observational, or experimental (CIRCLE ONE)

b. Does this study include a categorical variable? Explain.

yes, it is ending with red vs ending with far red.

c. Does this investigation establish a cause-and-effect relationship between a treatment and a response variable? Justify your answer.

Yes, the cause is exposure to red light and/or far red light & the effect is germination.

d. Identify ONE treatment variable: Red Light

e. Identify ONE response variable: %Germination

f. Sketch an appropriate graph of the findings. Label x and y axes with a variable (units).

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A: None
B: Red
C: R, F
D: R, F, R
E: R, F, R, F
F: R, F, R, F

99 99 99 98

The percent germination is generally higher when the last light is red light & lower when the last light is far red light. The lowest % germination was at no light, and the highest was at red, F, R, R.
h) The bars represent the germination of the lettuce seeds when exposed to a specific series of light