# Anatomy & Physiology: What affects the rate of osmosis?

Directions:

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- Share your report via OneDrive or Google Docs (whatever you are more comfortable with).
- <mark>Highlight in yellow</mark> **each item** you addressed from the items listed below in the report you submitted.
- <mark>Highlight **each item** you added in green</mark> (these are the edits and additions you made to your paper).
- Upload a **Microsoft Word Document** to Teams

**Section 1: Introduction and guiding question**

1) Did the author explain their reasoning for making their claim and/or how he background information is related to the guiding question?
2) Did the author explain why they would expect water to leave the cell or enter the cell?

**Section 2: Method**

3) Did the author describe their control group or what they should have used as a control group?
4) Did the author explain why they used the mean of trials for each treatment group as the dependent variable?
5) Did the author explain why the percent change in mass of the cell over time can be used to measure the rate of osmosis?
6) Did the author explain what caused the change in the model cell mass?
7) Did the author explain why they chose the type of chart they used to illustrate their data?
8) Did the author describe the concentration of the solution in the cell relative to that of the beaker?

**Section 3: Argument (presentation and analysis of evidence)**

9) Did the author embed a hand-written chart within the text of the argument in a logical place?
10) Did the author title and label the axes with units?
11) Did the author use appropriate intervals, so the data fills the graph horizontally and vertically?
12) Did the author describe the data from their experimental results in terms of <u>average</u> rate (% change/sec or min)?
13) Did the author give a complete description of the data?

**Section 3: Argument (justification)**

14) Is there a clear knowledge component?
15) Did the author explain how the knowledge led to the claim?
16) Is there specific data from the analysis that is related to the knowledge? (Not all data from the analysis is relevant to your claim)
17) Did the author identify the key data points that support or refute his/her claim?
18) Is there an explanation of how the data from the analysis supports the claim?