

Name _____ Block _____ Date _____

Gummy Bear Lab

Background

Major Wester and Captain Nuñez messed up. We were getting ready to do a big osmosis demo yesterday and had prepared a beaker filled with pure water and a beaker filled with salt water when we realized we hadn't labeled them! We had no idea which was which, and we need your help to identify them.

Guiding Question:

Which liquid is pure water and which liquid is salt water (A or B)?

Materials - 2 plastic cups, 2 gummy bears, Liquids A and B, plastic spoon (for scooping out the bears), balance (for measuring mass)

Data

| Liquid | Qualitative observations (What does the gummy bear look like?) | Quantitative observations (What is the mass (g) of the gummy bear?) |
|--------|---|--|
| A | | |
| B | | |

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Guiding Question – Restate the question being answered by the lab.

Claim – State the answer to the question above, based on your observations.

Evidence – Summarize and describe, with key details, the observations you made that support your claim.

Reasoning – Explain *why* your observations support your claim. Include important scientific concepts you have learned in class. *In this case, you need to describe the direction of osmosis for each liquid, explain why you know this, and why osmosis resulted in the observed change in gummy bear size.*

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