

Analysis Questions

1. In this experiment, why was it important that the potato slices were the same size?
2. What changes did you notice after 24 hours?
3. Which potato slices increased in size? Which potato slices decreased in size? How does your data support this observation?
4. Which potato slices had water moving into them? Which potato cores had water moving out of them? How can you tell?
5. Which solutions (if any) were hypertonic, isotonic, or hypotonic? Explain how you know.

Conclusion:

A scientific conclusion is an objective discussion of the results. By the end of the year, you will be expected to write your own conclusions. For the first few labs, please complete these sentence prompts to write your conclusion. Write this conclusion as a complete paragraph and attach to this lab packet.

- Our lab group achieved the purpose of this lab by
- In plain water, the potato slices...
- The plain water was _____tonic.
- In salt water, the potato slices...
- The salt water was _____tonic.
- In sugar water the potato slices...
- The sugar water was _____tonic.
- The main ideas we explored in this lab were.....
- Sources of error in our lab results could have been....