

Diffusion in the small intestine made easy

Purpose:

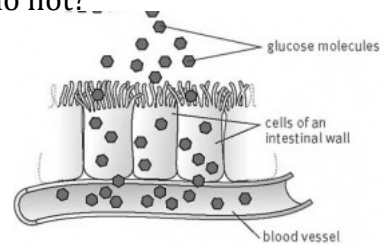
Why do some things leave the small intestine to the bloodstream while others do not?

Background information

What is peristalsis?

Hypothesis

I think that some object leave the blood stream because.....



Data Table:

	Number of objects to start	Number to make it all the way through
Trial 1		

Procedures:

1. Count how many objects are in your bin, record this number in the data table.
2. Have 1 group member open 1 end of the plastic tubing that in this lab will act as the small intestine. **Make sure the holes in the tubing are on the bottom.**
3. Have another group member put in, 1 at a time, all the objects in the bin.
4. Have your group simulate peristalsis in the small intestine until all the objects fall out or make it to the end of the tube.
5. Record how many objects made it all the way through the entire tube.

Analyzing the data

1. What did you notice about the objects that made it through the small intestine?
2. What did you notice about the objects that did NOT make it through the small intestine?
3. What system work together to make food get from the small intestine to the blood stream?
4. Does digested food move quickly through the small intestine? Why or why not?

Conclusion

5. Why do some things leave the small intestine and make it to the blood stream while others do not?