

Juicing Enzymes Worksheet

Data Table

Time (minutes)	Amount of Juice Produced			
	Buffer	Pectinase	Cellulase	Both
5				
10				
15				

Post-Lab Questions

- Graph the data for the amount of juice produced for each mixture. For this graph you will need to identify the dependent and independent variables. *Note:* Plot all of the data on the same graph using different colors or different data point shapes for each mixture.
- What other variables might have affected the amount of juice produced. How were these variables were controlled during the experiment?
- Which enzyme treatment produced the most juice? Explain.
- Enzymes are expensive. In your opinion, does the cost of enzymes justify the amount of juice produced for the enzyme-treated mixtures?