

Metabolism Lab Worksheet

Table 1.

Time (min)	5% glucose	5% sucrose	Heated yeast	Distilled water
0				
10				
20				
30				
40				

Compare the amount of fermentation in each tube at time 0 versus at 40 minutes. And answer the following questions:

a. Which tube(s) had the highest amount of fermentation? Why?

b. Which tube(s) had the lowest amount of fermentation? Why?

c. What is the purpose of using water as a testing solution?

Table 2.

Note: Be sure to write in the name of each substance tested in the appropriate column.

Time	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6
0						
10						
20						
30						
40						

Compare the amount of fermentation in each tube at time 0 versus at 40 minutes and answer the following questions:

a. Which substrate(s) had the highest amount of fermentation? Why?

b. Which substrate(s) had the lowest amount of fermentation? Why?