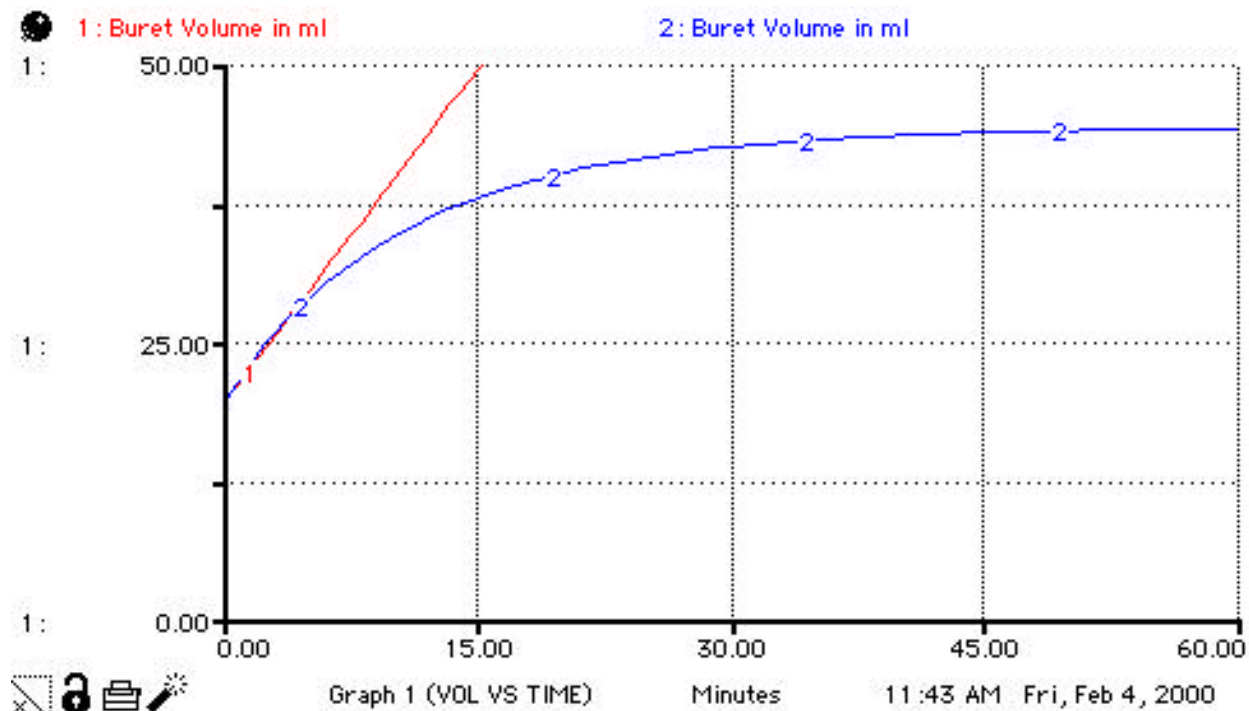


FLOW

1. A burette was set up so that 7 ml/min of liquid was constantly dripping in while the outflow valve was slightly open. When the burette contained 20 ml of liquid, the outflow rate was measured to be 5 ml/min. The experimenter sketched Line #1 to show that he expected the burette to fill to its capacity of 50 ml in 15 additional minutes. When the experimenter plotted the actual data for burette volume, the result was Curve #2.

- Describe and interpret each of the curves with regard to the rate at which the volume of the liquid is changing in the burette.
- Describe the conditions which account for the difference in the predicted behavior shown in Line #1 versus the actual behavior shown in Curve #2.



.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Continue your answer to Question 1 on the back.

