

**Virtual Lab: Enzyme Controlled Reactions  
Instructions**

1. Open the Virtual Lab: Enzyme Controlled Reactions
2. The virtual lab simulation will be on the right side of the screen, and the “Question” column will be on the left side of the screen.
3. Click the monitor in the lab simulation to watch a video about enzyme action.
4. Click the “Information” bar at the bottom of the lab simulation and read all the background information.
5. Read all background information and instructions in the “Question” column.
6. Answer questions 1-9 on the Enzyme Controlled Reactions Worksheet.
7. Follow the instructions in the “Question” column to complete the virtual lab. You must test each lactose sample at all pH levels: 3,5,7,9, and 11. Record your data in Table 1 on the Lab Worksheet.
8. Answer questions 10 – 15 on the Lab Worksheet.