Select five test tubes labeled A1 through A5. Be sure to label them with a permanent marker. Place these test tubes in the test tube rack.
Steps 3 & 4

Using the pipet pump dispenser, add to each tube:
1 mL of amyllopectin solution
1 mL of DNS reagent
1 mL of tartrate solution

Using an adjustable pipettor, add amounts of maltose solution and distilled water to each tube as indicated by the table (in lab procedure section).
Step 5

Mix the contents of each tube using the vortex mixer
Step 6

Place tubes on a hot water (95°C-use caution) for five minutes.

Note: You will be using the large hot water bath for this step, not a beaker.
Steps 7 & 8

Remove tubes from water bath.
Return to your lab station and allow them to cool to room temperature.
Store tubes in the refrigerator until next lab period if necessary.
Take your samples to the spectrophotometer.
Measure the absorbance of each test tube at a wavelength of 540 nm.
Record the absorbance.

Your teacher will provide instructions on the use of the spectrophotometer.
The absorbance is proportional to the amount of maltose present.
Step 9

Prepare the graph of absorbance versus volume of maltose solution add as indicated in the worksheet.