

## Goals and Assessment

Clarify that the goals indicate what the students should be able to do as a result of the activity. Make sure that students understand that the **Chapter Challenge** is based on these goals.

Goal	Location in Activity	Assessment Opportunity
View the spectrum of hydrogen.	<b>Investigate</b> Step 1	Students' observations are similar to those given in the Teacher's Edition.
Interpret changes in electron energies in the hydrogen atom to develop an explanation for where the colored light in the hydrogen spectrum comes from.	<b>Investigate</b> Step 5	Students are able to determine which energy-level transitions determine the visible spectral lines in the hydrogen spectrum.
Use Bohr's model of the atom to predict parts of the hydrogen atom spectrum.	<b>Investigate</b> Steps 2-4 <b>Chemistry to Go</b> Question 3 <b>Inquiring Further</b>	Students' answers are correct.
Calculate and compare the wavelengths, energies and frequencies of light of different colors.	<b>Investigate</b> Step 2 <b>Chemistry to Go</b> Questions 1-2, 4-6	Students' answers are correct.
Identify regions in the electromagnetic spectrum.	<b>ChemTalk, Checking Up</b> Question 1	Students' answers are correct.