

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 spectra of various materials.	Investigate Step 1	Students' observations are consistent with Teacher's Edition.
Graphically analyze patterns in the amounts of energy required to remove electrons from different kinds of atoms.	Investigate Steps 2-4	Students are able to graph first and second ionization energies and interpret graphs, giving answers that are similar to those in Teacher's Edition.
Compare trends in stability of atoms in the periodic table.	Investigate Step 5	Students' answers are correct and based on their graphs.
Compare the structure of the periodic table with the patterns of levels and sublevels to which electrons can be assigned.	Investigate Step 6	Students' answers are correct.
Develop a shorthand notation to describe the configuration of electrons in an atom.	ChemTalk Chemistry to Go Questions 1-5 Inquiring Further	Students' answers match those given in Teacher's Edition.