

Chapter Timeline

The chapter can take about five weeks in order to complete, assuming one 45-minute period per day, five days per week. Adjust the timeline to fit your school's schedule and your students' needs.

A sample outline for presenting the chapter is shown below. It assumes that you assign homework at least three nights a week. It also assumes that class time will be used to discuss homework and special topics. **Inquiring Further** activities will allow students to do some special research and investigations outside regular class time.

Day	Activity	Homework
1	Scenario; Chapter Challenge; Assessment Criteria	
2	Activity 1 — Investigate	
3	Present organization of store and use to lead into Activity 2	Chemistry to Go
4	Activity 2 — Investigate, Steps 1-7	ChemTalk; Checking Up and Investigate, Step 8
5	Review Checking Up and Chemistry to Go	Prepare index cards from the data collected on the elements studied (Preparing for the Chapter Challenge)
6	Activity 3 — Investigate Steps 1-7. Allow reaction to sit overnight. Also emphasize correct measurements.	Problems on measurements and working with significant digits
7	Activity 3 — Investigate, Steps 8-10. Make observations and filter residue. Allow filter paper to dry overnight. Review the use of significant figures.	Checking Up
8	Activity 3 — Investigate. Find the mass of the filter paper and complete the investigation.	Chemistry to Go
9	Review Activity 3, Chemistry to Go, Preparing for the Chapter Challenge and Inquiring Further. Emphasize the term "mole."	May want to assign some special problems using the mole
10	Activity 4 — Investigate. Demonstrate the cathode-ray tube and the use of a magnet. Complete the investigation.	Checking Up and Chemistry to Go

Day	Activity	Homework
11	Review Checking Up and Chemistry to Go. Start Inquiring Further	Complete Inquiring Further
12	Review Inquiring Further; Activity 5 Investigate. Do the demonstration.	
13	Discuss the line spectrum for hydrogen and the mathematics used in determining the frequency and energy.	Complete the frequency and energy table. Emphasize significant digits
14	Review table and complete investigation.	Checking Up; Chemistry to Go; Inquiring Further
15	Review Checking Up, Chemistry to Go and Inquiring Further.	
16	Activity 6 — Demonstration	Complete Ionization Graph
17	Discuss graph and complete the investigation	Assign Checking Up and Chemistry to Go
18	Review Checking Up and start Chemistry to Go — will need to practice	Finish Chemistry to Go and Inquiring Further
19	Review Chemistry to Go and Inquiring Further	
20	Activity 7 — Investigate	Checking Up and Chemistry to Go
21	Review Activity, Checking Up and Chemistry to Go	Finish Chemistry to Go and Inquiring Further
22	Review Chemistry to Go and Inquiring Further	
23	Activity 8 — Investigate	Checking Up and Chemistry to Go
24	Review Checking Up and Chemistry to Go	Complete Chemistry to Go and Inquiring Further
25	Review Chemistry to Go and Inquiring Further	

Day	Activity	Homework
26	Activity 9 — Investigate Part A	
27	Investigate Part B	Checking Up and Chemistry to Go
28	Review Checking Up and Chemistry to Go	Inquiring Further
29	Review Inquiring Further and prepare for presentations	Prepare for presentations
30	Chapter Challenge presentations	