

**AP Chemistry  
Syllabus  
Week of September 4, 2023**

Work

Toil is man's allotment; toil of brain, or toil of hands, or a grief that's more than either, the grief and sin of idleness.

Herman Melville (1819-91), U.S. author. *Mardi: and a Voyage Thither*, ch. 63 (1849).

**Schedule:**

<u>Day</u>	<u>Date</u>	<u>Topic</u>	<u>Reading</u>
Monday	9/4	Labor Day Holiday	
Tuesday	9/5	Moles and Molarity	
Wednesday	9/6	Roadmap Problems	
Thursday	9/7	Gravimetric Analysis Lab	
Friday	9/8	More Roadmap	

**Problem Sets:**

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Basics:

5, 9, 11,

Formula Problems:

33, 35, 37, 40, 41, 43, 46, 47, 49, 51,

Equations, Particulate Diagrams, understanding nature:

53, 55, 61, 73,

Roadmap Problems:

79, 80, 81, 82, 86, 87, 90, 92, 93,

Make you think problems

95, 98, 104, 116, 127, 145 (super hard algebra problem), 152 (challenging), 162 (hard),

Based on the Gravimetric Analysis Lab (but from Chapter 4):

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**Announcements:**

We will collect the first formal lab report on Tuesday. The next lab for this coming week is called Gravimetric Analysis and will go into your lab book for Thursday. Do not come to lab without it worked up in your lab book.

This whole chapter is mathematical and requires you to practice many problems. Start early and do some every day.

### **Next Week:**

#### **Schedule:**

<i>Day</i>	<i>Date</i>	<i>Topic</i>	<i>Reading</i>
Monday	9/11	Formula Problems	
Tuesday	9/12	Combustion	
Wednesday	9/13	More Stoichiometry	
Thursday	9/14	Hydrate Lab	
Friday	9/15	Discussion Section	

#### **Problem Sets:**

The following are due Friday the 15<sup>th</sup>:

Basics:

5, 9, 11,

Formula Problems:

33, 35, 37, 40, 41, 43, 46, 47, 49, 51,

Equations, Particulate Diagrams, understanding nature:

53, 55, 61, 73,

Roadmap Problems:

79, 80, 81, 82, 86, 87, 90, 92, 93,

Make you think problems

95, 98, 104, 116, 127, 145 (super hard algebra problem), 152 (challenging), 162 (hard),

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