

WEB Middle School Chemistry 2018/2019

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Lessons and assignments are subject to change as needed. Curriculum and materials provided by the American Chemical Society. Reading and homework assignments will be posted via Google Classroom.

Class No./Date	Topics	Homework/Reading Due
August 9		
Open House (evening)		
1. August 14	Chapter 1.1 <i>Introduction to chemistry and why molecules matter</i>	
2. August 21	Chapter 1.2 and 1.3 <i>Molecules in motion and thermometers</i>	Chapter 1 reading assignment to be read before class, HW 1 due
3. August 28	Chapter 1.4 and 1.5, Review <i>Molecules in a solid and in air</i>	HW 2 due
4. September 4	Quiz and Class Activity	
5. September 11	Chapter 2.1 <i>Heat, temperature and conduction</i>	Chapter 2 reading assignment to be read before class
6. September 18	Chapter 2.2 and 2.3 <i>Changing state: evaporation and condensation</i>	HW 3 due
7. September 25	Chapter 2.4 and 2.5 <i>Changing state: freezing and melting</i>	HW 4 due
8. October 2	Quiz and Class Activity	
October 9		
Fall Break		
9. October 16	Chapter 3.1 <i>What is density?</i>	Chapter 3 reading assignment to be read before class
10. October 23	Chapter 3.2 and 3.3 <i>Volume and the density of water</i>	HW 5 due
October 27		
Halloween Party (evening)		
11. October 30	Chapter 3.4 and 3.5 <i>Density: does it sink or float?</i>	HW 6 due
12. November 6	Chapter 3.6 and Review <i>Temperature and density</i>	HW 7 due
13. November 13	Quiz and Class Activity	
November 20		
Thanksgiving Break		
14. November 27	Chapter 4.1 <i>Protons, neutrons and electrons</i>	Chapter 4 reading assignment to be read before class
15. December 4	Chapter 4.2 and 4.3 <i>The periodic table and energy level models</i>	HW 8 due
December 11		
Science Fair (morning)		
December 12- January 7		
Winter Break		
16. January 8	Review and Chapter 4.4 <i>Energy levels, electrons and covalent bonding</i>	
17. January 15	Chapter 4.5 <i>Energy levels, electrons and ionic bonding</i>	HW 9 due
18. January 22	Chapter 4.6 <i>Represent bonding with Lewis Dot Diagrams</i>	HW 10 due
19. January 29	Review	HW 11 due

Class No./Date	Topics	Homework/Reading Due
20. February 5	Quiz	
21. February 12	Chapter 5.1, 5.2 and 5.3 <i>Polarity, surface tension and dissolution</i>	Chapter 5 reading assignment to be read before class
22. February 19	Chapter 5.4 and 5.5 <i>Dissolving and identifying an unknown</i>	HW 12 due
23. February 26	Selections from Chapter 5.6-5.9, Review <i>More about dissolving...</i>	
24. March 5	Quiz	
March 12	Spring Break	
25. March 19	Chapter 6.1 and 6.2 <i>What is a chemical reaction?</i>	Chapter 6 reading assignment to be read before class
26. March 26	Chapter 6.3 <i>Forming a precipitate</i>	HW 13 due
27. April 2	Chapter 6.4 and 6.5 <i>Rates of reaction</i>	HW 14 due
28. April 9	Chapter 6.7 <i>Energy changes in reactions</i>	HW 15 due
29. April 16	Chapter 6.8 and 6.9 <i>pH, acids and bases</i>	HW 16 due
30. April 23	Review	HW 17 due
31. April 30	Quiz	
May 7	Year End Picnic	