
Unit 9 The Chemistry of Water, Liquids, and Solutions (12 days)

DAY	Lab, Demo, or Activity	Student Worksheet	Lecture Class notes	Homework and Reading Assignments	Comments	Assessment
1			CN 9:1 The Chemistry of Water		Pose this riddle: <i>Is it possible to add heat to a substance without raising its temperature?</i>	Class Notes in Student Notebooks
2			CN 9:2 Heating Curves			Class Notes in Student Notebooks
3	Two Worksheets and AD-30 "Extracting Iron From Breakfast Cereal"	WS 9:1 WS 9:2				Participation and Class Notes
4	Student Lab Activity LB-13 "Calorimetry 1"		Student Lab Activity LB-13 "Calorimetry 1 – Sp Heat"			Participation and Class Notes
5	Flexibility / Enrichment Day					Twenty facts due at end of class

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6			CN 9:3 Chemistry of Solutions 2			Class Notes in Student Notebooks
7	CN 9:4 and begin WS 9:3 and 9:4	WS 9:3 WS 9:4	CN 9:4 Concentrations and Molarity		Begin worksheets after completing Class Notes	Class Notes in Student Notebooks
8	Worksheet 9:5, Demonstration AD-25, and Reading Activity	WS 9:5			1. Worksheet 2. Demonstration AD-25, "UV-Sensitive Beads" 3. Reading Activity	Participation and Class Notes
9	Student Lab Activity AL-25 Preparing Lab Solutions		Student Lab Activity AL-25 "Preparing Laboratory Solutions of Assigned Molarity"			Participation and Class Notes
10	Flexibility / Enrichment Day					Twenty facts due at end of class
11	Student Lab Activity LB-14 "Colligative Ice Cream"	LB-16	Student Lab LB-14 "Colligative Ice Cream"		This lab will be less noisy and less messy if conducted somewhere outdoors	Participation and Class Notes
12			UNIT NINE EXAM		Many students will finish early. Be prepared to show video after exam.	