

Chemistry Labs Course Planner for 2009-2010

- Teacher reserves the right to change this Course planner and update the website as deemed necessary.

Experiment Number	Boys/ Date	Girls/ Date	Description of the Lab	Reference/Source
			Safety in the Chemistry Laboratory; Safety Symbols; Safety Contract;	PH Chemistry Laboratory Manual, pp 5-9; Biology Lab Manual A, pp 12
			Recognizing Laboratory Safety	Biology Lab Manual A, pp 19-22
			Identifying Laboratory Equipment	PH Chemistry Laboratory Manual, pp 10-11
			Laboratory Techniques	PH Chemistry Laboratory Manual, pp 13-20
1			Air takes up space	Text Book, pp 2
2			The Kinetic Theory of Matter	Text Book, pp 113-114
3			Layered Liquids; Rainbow in a Glass	Internet Handouts
4			Mass, Volume, and Density	PH Chemistry Laboratory Manual, expt. 4, pp 37-44
5			Chemical and Physical Changes	Text Book, pp 107-108
6			Electrical Conductivity of compounds dissolved in water	Text Book, pp 88-89
7			Separating a mixture of sand and salt	Text Book, pp 101-102
8			Flame Tests for Metals	PH Chemistry Laboratory Manual, expt. 6, pp 49-52
9			Measuring the width of a molecule	Text Book, pp 149-151
10			Visible Spectra and the Nature of Light and Color	PH Small-Scale Chemistry Laboratory Manual, expt. 8, pp 63-68
11			How the eye detects color	Text Book, pp 223

12			Electron Configurations of Atoms and Ions	PH Small-Scale Chemistry Laboratory Manual, expt. 10, pp 73-76
13			Molecular Models	PH Chemistry Laboratory Manual, expt. 11, pp 73-76
14			Types of Chemical Reactions	PH Chemistry Laboratory Manual, expt. 14, pp 91-96
15			Limiting Reactants	Text Book, pp 166-167
16			Acids and Bases; Estimation of pH	Text Book, pp 320-321; PH Chemistry Laboratory Manual, expt. 40, pp 247-250
17			Acid base titration	Text Book, pp 342-344
18			Buffers	PH Chemistry Laboratory Manual, expt. 45, pp 271-274
19			Identification of Anions and Cations in Solution	PH Chemistry Laboratory Manual, expt. 16, pp 101-108
20			Effect of temperature on the solubility of solid solutes	Text Book, pp 359
21			Effect of temperature on the solubility of a gas	Text Book, pp 361
22			Freezing point depression	Text Book, pp 369
23			Factors that affect Chemical Reaction rate	Text Book, pp 460; PH Chemistry Laboratory Manual, expt. 36, pp 225-130
24			The effect of a catalyst on the decomposition of H ₂ O ₂	Text Book, pp 480
25			Invisible writing	Text Book, pp 535

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