



Experiment Title	Chemical Name	Concentration
Melting Point	Cinnamic acid	solid
Melting Point	Urea	solid
Melting Point	Cholesterol	solid
Melting Point	Salicylic acid	solid
Melting Point	Urea/cinnamic acid mixture 50:50	solid
Melting Point	Urea/cinnamic acid mixture 75:25	solid
Melting Point	Urea/cinnamic acid mixture 25:75	solid
Melting Point	Vanillin	solid
Melting Point	o-toluic acid	solid
Melting Point	p-anisic acid	solid
Melting Point	Benzoic acid	solid
Recrystallization	Acetanilide, pure	solid
Recrystallization	Acetanilide, impure	solid
Recrystallization	Charcoal	solid
Recrystallization	trans-stilbene	solid
Recrystallization	9-fluorenone	solid
Recrystallization	Benzoic acid	solid
Recrystallization	Hexane	liquid
Recrystallization	Toluene	liquid
Recrystallization	Acetone	liquid
Recrystallization	Ethanol 95%	liquid
Distillation/Gas Chromatography	1-propanol	liquid
Distillation/Gas Chromatography	Acetone	liquid
IR Spectroscopy	Heptane	liquid
NMR	Acetone-d6	liquid
NMR	Tetramethylsilane	liquid
NMR	Acetone	liquid
Structure Elucidation	Acetone-d6	liquid
Structure Elucidation	Tetramethylsilane	liquid

Experiment Title	Chemical Name	Concentration
Rate of Substitution Reactions	Sodium iodide in acetone	15% w/v
Rate of Substitution Reactions	Silver nitrate in ethanol	0.1 M
Rate of Substitution Reactions	1-bromo-2-methylpropane	liquid
Rate of Substitution Reactions	1-bromobutane	liquid
Rate of Substitution Reactions	2-bromobutane	liquid
Rate of Substitution Reactions	2-bromo-2-methylpropane	liquid
Rate of Substitution Reactions	1-bromo-2,2-dimethylpropane	liquid
Rate of Substitution Reactions	1-chlorobutane	liquid
Rate of Substitution Reactions	2-chloro-2-methylpropane	liquid
Rate of Substitution Reactions	Ethanol absolute	liquid
Rate of Substitution Reactions	Methanol	liquid
Rate of Substitution Reactions	1-propanol	liquid
Rate of Substitution Reactions	Acetone	liquid
Rate of Substitution Reactions	Sodium hydroxide	0.5 M
Rate of Substitution Reactions	Phenolphthalein	1% w/v
Polarimetry	Sucrose	solid
Acid Base Separation of a Mixture	Mixture fluorenone, benzoic acid, ethyl-4-aminobenzoate	equal parts
Acid Base Separation of a Mixture	Ethyl ether	liquid
Acid Base Separation of a Mixture	Hydrochloric acid	5% w/v
Acid Base Separation of a Mixture	Hydrochloric acid	6 N
Acid Base Separation of a Mixture	Sodium hydroxide	3 N
Acid Base Separation of a Mixture	Sodium hydroxide	5% w/v
Acid Base Separation of a Mixture	Sodium chloride solution	saturated
Acid Base Separation of a Mixture	Sodium sulfate anhydrous	solid
Hydration of Norbornene	Sulfuric acid conc.	18 M
Hydration of Norbornene	Norbornene	solid
Hydration of Norbornene	Sodium hydroxide	6 M
Hydration of Norbornene	Methylene chloride	liquid

Experiment Title	Chemical Name	Concentration
Hydration of Norbornene	Sodium sulfate anhydrous	solid
Hydration of Norbornene	Ethanol 95%	liquid
Dehydration of Alcohol	3-methyl-3-pentanol	liquid
Dehydration of Alcohol	Sulfuric acid conc.	18 M
Dehydration of Alcohol	Sodium sulfate anhydrous	solid
Radical Chlorination	Sodium hypochlorite solution	5% w/v
Radical Chlorination	1-chlorobutane	liquid
Radical Chlorination	Hydrochloric acid	3 M
Radical Chlorination	1-chloropropane	liquid
Radical Chlorination	2-chloropropane	liquid
Radical Chlorination	1-chloropentane	liquid
Radical Chlorination	1-chlorohexane	liquid
Radical Chlorination	3-chloro-3-methylpentane	liquid
Radical Chlorination	1-chloroheptane	liquid
Radical Chlorination	Sodium carbonate	solid
Radical Chlorination	Calcium chloride	solid
Radical Chlorination	Sand	solid
Thin Layer Chromatography	Acetylsalicylic acid standard solution	10 mg/mL
Thin Layer Chromatography	Acetaminophen standard solution	5 mg/mL
Thin Layer Chromatography	Ibuprofen standard solution	10 mg/mL
Thin Layer Chromatography	Caffeine standard solution	10 mg/mL
Thin Layer Chromatography	Ethanol 95%	liquid
Thin Layer Chromatography	Methylene chloride	liquid
Thin Layer Chromatography	Ethyl acetate	liquid