



Cooling Baths

Temperature	Mass ratio (g)	Substances
13		p-Xylene/CO ₂ (s)
12		Dioxane/CO ₂ (s)
5		Benzene/CO ₂ (s)
0		Ice/Water
-5	30/100	NH ₄ Cl/Cold water
-5	75/100	NaNO ₃ /Cold water
-9	41/100	CaCl ₂ •6H ₂ O/Ice
-10.5	30/100	KCl/Ice
-10.5		Ethylene Glycol/CO ₂ (s)
-13	15/100	NaNO ₃ /Ice
-13.6	14/100	NH ₄ NO ₃ /Ice
-15	90/100	NaOAc/Ice
-18	30/100	NH ₄ Cl/Ice
-21.3	33/100	NaCl/Ice
-22		Tetrachloroethylene/CO ₂ (s)
-22.8		Carbon Tetrachloride/CO ₂ (s)
-25	100/100	NH ₄ NO ₃ /Ice
-28	66/100	NaBr/Ice
-30	100/100	KCl/Ice
-30	105/100	Ethanol/Ice
-41	123/100	CaCl ₂ •6H ₂ O/Ice
-41		Acetonitrile/CO ₂ (s)
-55	143/100	CaCl ₂ •6H ₂ O/Ice
-63	31/100	KOH/Ice
-72		Ethanol/CO ₂ (s)
-78		Acetone/CO ₂ (s)
-83.6		Ethyl Acetate/Liq N ₂
-94		Hexane/Liq N ₂
-94	85/100	MgCl ₂ •6H ₂ O/Ice
-94.6		Acetone/Liq N ₂
-95.1		Toluene/Liq N ₂
-98		Methanol/Liq N ₂
-100		Ethyl Ether/CO ₂ (s)
-104		Cyclohexane/Liq N ₂
-116		Ethanol/Liq N ₂
-116		Ethyl Ether/Liq N ₂
-196		Liq N ₂

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Portions of this information were taken from the following websites.
http://www.chemieunterricht.de/dc2/tip/08_98.htm
<http://www.cchem.berkeley.edu/trngrp/traunerweb/baths.htm>
<http://www.chemistry.oregonstate.edu/carter/Baths.html>