

Appendix D: Solubility products of some minerals and compounds

	pK_{sp}		pK_{sp}		pK_{sp}
MnS (pink)	10.5	FeCO ₃	10.68	AlPO ₄ · 3H ₂ O	18.24
MnS (green)	13.5	ZnCO ₃	10.0	Ca ₁₀ (PO ₄) ₆ F ₂	118
FeS	18.1	PbCO ₃	13.13	Ca ₁₀ (PO ₄) ₆ (OH) ₂	115
FeS ₂	28.3	CuCO ₃	9.63	CaHPO ₄	7.0
CoS (α)	21.3	CaCO ₃ (calcite)	8.35	FePO ₄ · 2H ₂ O	36.0
CoS (β)	25.6	CaCO ₃ (nepheline)	8.22	Fe ₂ O ₃	42.7
NiS (α)	19.4	MgCO ₃	7.46	FeOOH	41.5
NiS (β)	24.9	CoCO ₃	9.98	ZnO	16.66
NiS (γ)	26.6	NiCO ₃	6.87	CaF ₂	10.41
Cu ₂ S	48.5	CaSO ₄	4.62	ZnSiO ₃	21.03
CuS	36.1	BaSO ₄	9.96	Fe ₂ SiO ₄	18.92
CuFeS ₂	61.5	PbSO ₄	6.20	CaSiO ₃	11.08
ZnS (α)	24.7	SrSO ₄	6.50	MnSiO ₃	13.20
ZnS (β)	22.5	CaWO ₄	9.3	HgS	53.5
CdS	27.0	MnWO ₄	8.85	Ag ₂ S	50.0
PbS	27.5	FeWO ₄	11.04		
MnCO ₃	9.30				