

I.—SYMBOL.

Zu. C.W. 65 (64.9), S. G. 6.8 to 7.2, MN. C.W. 55 (54.8), S.G. 8.0, FE. C.W. 56 (55.9), S.G. 7.8, NI. C.W. 58.6, S.G. 8.8, Co. C.W. 58.6, S.G. 8.5.

II.—OCCURRENCE.

Zu.	MN.	NI.	Co.	FE.
Chief ores are:— Zinc Blende, Zu S, Zincite, ZnO (red zinc ore) and Calamine, Zn CO ₃ .	— Braunite, Mn ₂ O ₃ . Hausmannite, Mn ₃ O ₄ . Pyrolusite, { Mn O ₂ . Varvasite, Diallogite, Mn CO ₃ . Manganite, Mn ₂ O ₃ , H ₂ O.	— (a) Free — accompanying Fe in Meteoric Iron. (b) Combined. Nicolite (Copper Nickel) Ni As. Gersdorffite (Nickel Glance) Ni S As.	— (a) Free—same as Nickel. (b) Combined. Smaltite (Cobalt speis, tin white Cobalt), Co (Fe Ni) As ₂ . COBALTITE (Cobalt Glance) Co As S.	— (a) Free in Meteoric Iron. (b) Combined. <i>Hematite</i> (Specular Iron) Fe ₂ O ₃ . <i>Limonite</i> (brown hem- atite) 2Fe ₂ O ₃ +3H ₂ O. <i>Gothite</i> , Fe ₂ O ₃ + H ₂ O. <i>Magnetite</i> , Fe ₃ O ₄ . <i>Siderite</i> (Spathic Iron) Fe CO ₃ . <i>Pyrite</i> (iron pyrites). <i>Marcasite</i> } Fe S ₂ . (white iron py- rites). <i>Pyrrhotite</i> (magnetic pyrites) Fe ₇ S ₈ .