

This 5-hours ACS Audio Course is composed of 265 pages reference manual and a CD. It gives a brief history of the development of metal extraction technology, discusses the metal and mineral industries, and physical and physicochemical methods of enriching ores. Various methods of recovering metals from ore: hydro-, pyro-, and electrometallurgy are thoroughly detailed. The course also covers the theory of metallurgical reactions, and reviews pollution problems in the metallurgical industry. In addition, a comprehensive literature guide and a set of problems and solutions are included. *Metallurgical Chemistry* will serve as a review for mining, metallurgical, and chemical engineers, as well as geologists and mineralogists. For chemists working in related fields such as refractories, fertilizers, organic solvents, or synthetic resins, and for chemistry students, the course provides a basic knowledge of metallurgical chemistry, using only an elementary background in chemistry. In addition, managers of mining companies or businesses that work with mining firms may also benefit from this course, even if they have no formal training in chemistry, as they will learn the terminology and basic theories of metallurgical chemistry. It is particularly useful for foreign students whose mother tongue is not English.

Fully illustrated with diagrams and colored pictures.

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METALLURGICAL CHEMISTRY

An Audio Course for Students and Engineers

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METALS										METALLOIDS			NONMETALS				H	He																											
Li	B									B	C	N	O	F	Ne																														
Na	Mg	Al								Si	P	S	Cl	Ar																															
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr																												
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe																												
Cs	Ba	*La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn																												
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