

IGCSE Chemistry (9-1) Specification 2(e)

(e) Extraction and uses of metals

Students should:

- 2.22C** know that most metals are extracted from ores found in the Earth's crust and that unreactive metals are often found as the uncombined element
- 2.23C** explain how the method of extraction of a metal is related to its position in the reactivity series, illustrated by carbon extraction for iron and electrolysis for aluminium
- 2.24C** be able to comment on a metal extraction process, given appropriate information
detailed knowledge of the processes used in the extraction of a specific metal is not required
- 2.25C** explain the uses of aluminium, copper, iron and steel in terms of their properties the types of steel will be limited to low-carbon (mild), high-carbon and stainless
- 2.26C** know that an alloy is a mixture of a metal and one or more elements, usually other metals or carbon
- 2.27C** explain why alloys are harder than pure metals