

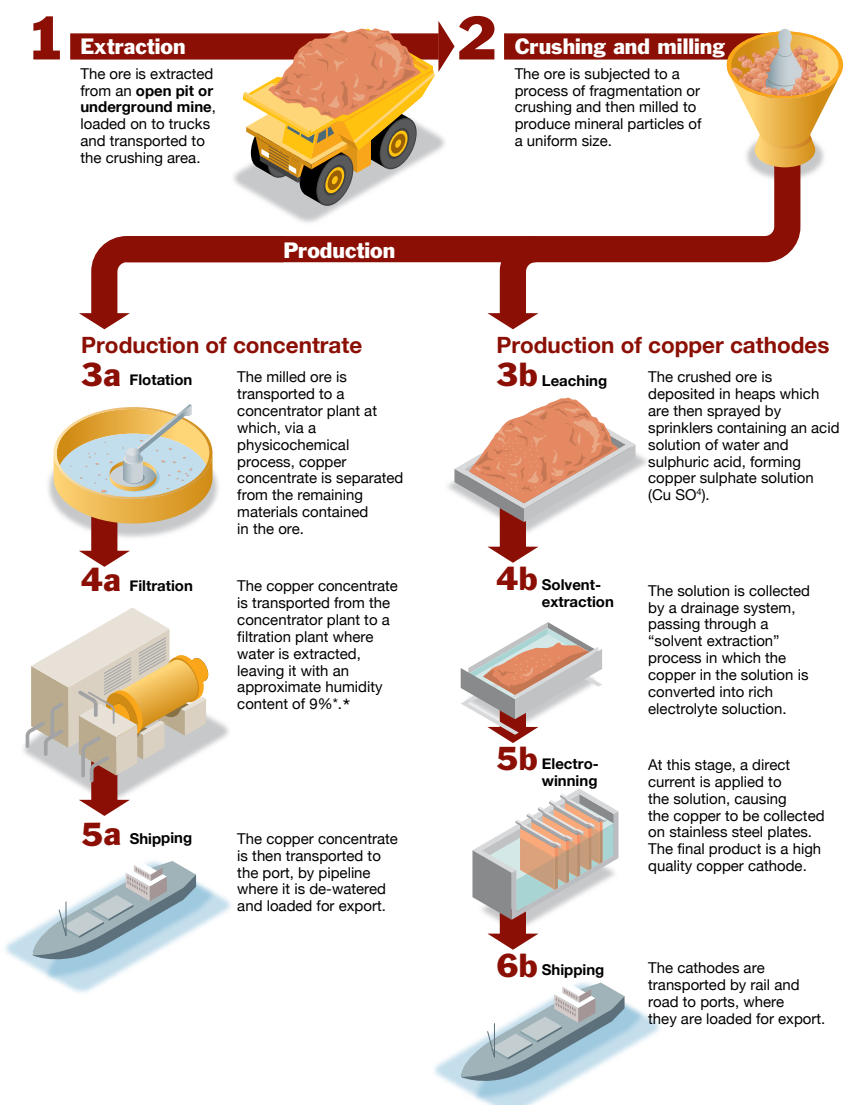
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## A LOOK AT THE PRODUCTION PROCESS

Antofagasta Minerals S.A. (AMSA) is the corporate centre for the mining division. It is responsible for the Group's mining companies, controlling their operations and marketing their output, and has overall responsibility for exploration programmes and project development.

AMSA's operations, which are located in the Antofagasta and Coquimbo Regions, produce copper and molybdenum from ore extracted from open-pit and underground mines. The copper production process involves various stages, depending on the type of ore - sulphide or oxide - whether copper concentrate or copper cathodes are produced.

### ■ Copper production process



\* At Los Pelambres, the filtered water is disposed of by evapotranspiration using eucalyptus forests nearby.

AMSA's mining operations are dedicated to the production of either copper concentrate or copper cathodes, establishing high standards of quality for both their processes and products. The implementation of Quality Management Systems has been evaluated in the Group's three mining operations. Los

Pelambres now has ISO 9001 certification for its exploration, extraction, mineral processing, transport and concentrate loading activities. At Michilla, implementation of ISO 9001 is to begin in 2008. El Tesoro began its process in 2007 and hopes to obtain certification in 2008.



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## ■ Copper

An essential part of our lives

### HEALTH



Necessary for health as an essential component in the human diet, enabling the body to function correctly. Valued in the health sector for its antibacterial properties.

### TECHNOLOGY



Present in communications and computer technology as an essential component in complex technological products.

### ELECTRICAL INDUSTRY



A highly efficient medium for the transmission and distribution of electricity.

### CONSTRUCTION



Used in construction as a corrosion-resistant element with high thermal conductivity.

### MECHANICAL INDUSTRY



Required in the metal-mechanical industry for its high capacity for incorporation into alloys, its malleability, and its ability to adapt to various temperatures.

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AMSA disseminates information about the uses and properties of copper at the Andrónico Luksic Abaroa Centre, located at Punta Chungo in the community of Los Vilos. More information can be found at

[www.centroandronicoluksic.cl](http://www.centroandronicoluksic.cl)