# Production chain





## Concentration



Pieces of ore are crushed and ground in crushers

Tailings transported via a slurry pipeline Tailings storage facility



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 $\rightarrow$  Smelting

Finished products  $\leftarrow$ for sale

Concentrates (nickel sulphide, iron ore, copper)

Concentrate



### Milling

Crushed ore is ground in mills with water



moisture content to 7%-15%, then further to 2%

Concentrate



#### Flotation

Mineral separation by selective attachment of mineral particles to air bubbles. Hydrophobic mineral particles rise with air bubbles, while hydrophilic one remain in the slurry

#### Thickening

Partial dewatering of concentrate to achieve a moisture content of 40%-50%









from slag

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