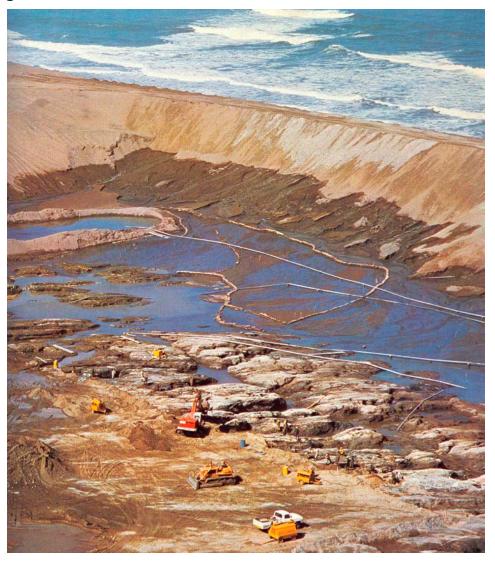
Open Pit Mining



Open pit exposing diamond gravel



Oranjemund diamond mine S.



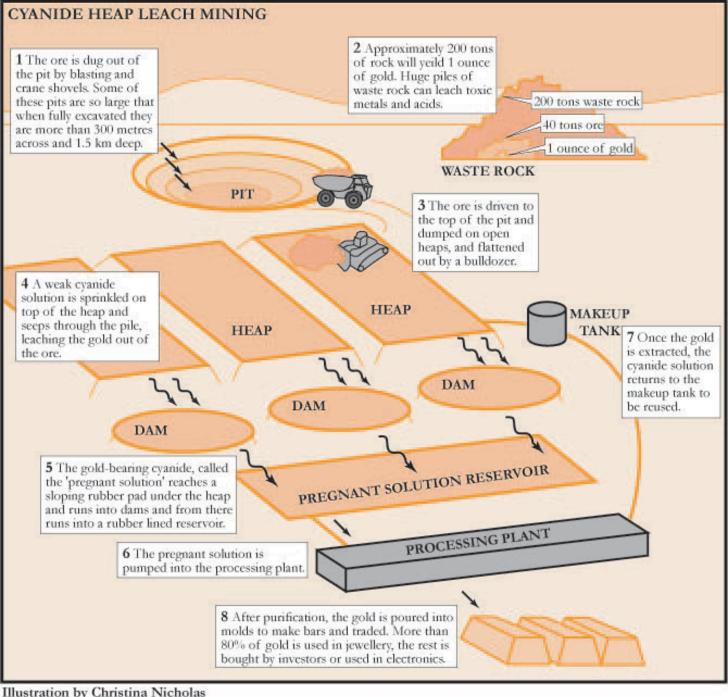
Miners Search for Ore

A rock containing valuable minerals



Ore may not be obvious

- Not all ore is high grade
- Sometimes nothing of value is visible
- You may still be sitting on a fortune
- Geochemical testing and an understand of what rock could potentially have ore are important for exploration



Cyanide disaster Baia Mare, northern Romania, Feb. 2000



Spread of the Cyanide Spill, 2000 1 30 January Cyanide spill occurs at Baia Mare, Romania 2 1 February Spill plume reaches Romanian-Hungarian border 5 February Cyanide registers in tests at Tiszalök 9 February Spill plume reaches Szolnok 11 February Crosses the Hungarian-Yugoslavian border 6 13 February Plume reaches Belgrade, (Perlez), Yugoslavia 15 February It meets the Romanian border again, at Ram 17 February Cyanide shows up in tests at Iron Gate, Romania 25-28 February The plume reaches the Danube Delta



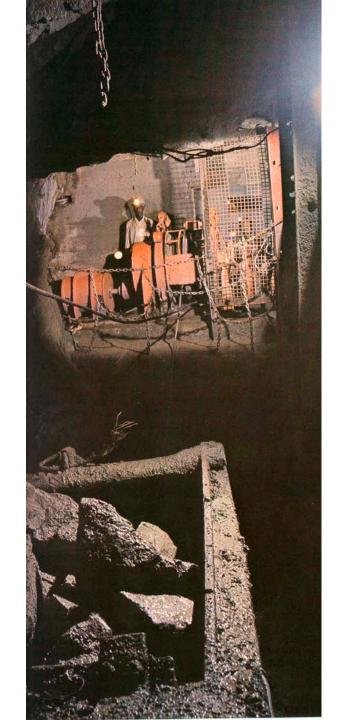
Illustration by Christina Nicholas

Underground Mining

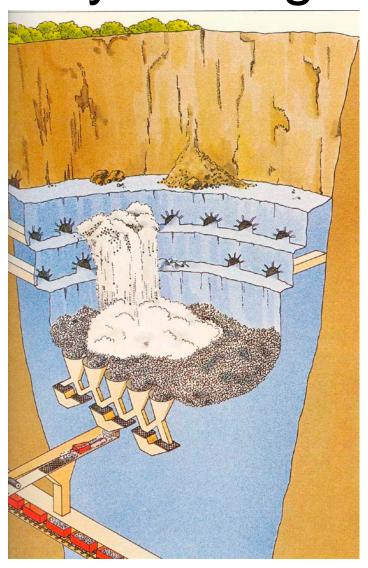


Dangers

- Mine Collapse
- Rock blasts
- Suffocation
- Heat exhaustion
- Silicosis
- flooding



Why underground?



Getting the ore

