

Soil Profile in a Jar

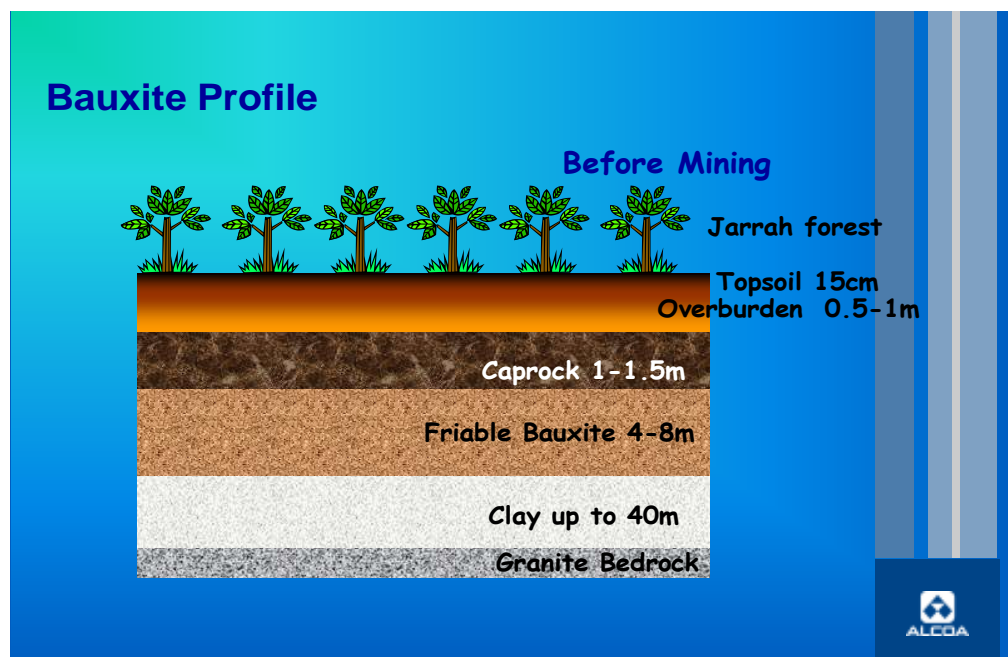
Topic: Mining and Rehabilitation

You will need

- Glass Jar
- Variety of soil samples – include sandy, loamy, gritty.

Background Information

In Western Australia bauxite occurs at a depth of approximately 50cm consisting of the caprock layer and friable bauxite layer (loose gritty layer beneath the hard caprock) to an average depth of 4-8m. Above the caprock is the soil layer which consists of overburden and topsoil.



What you need to do

Create a bauxite profile by placing the soil in defined layers in the jar.

Extension/Alternatives

Prepare another jar showing the layers after mining and rehabilitation has occurred.

Curriculum Links

Society and Environment: Place and Space, Resources

Science: Earth and Beyond, Natural and Processed Materials

Technology and Enterprise: Information