

## Soil profile in a jar

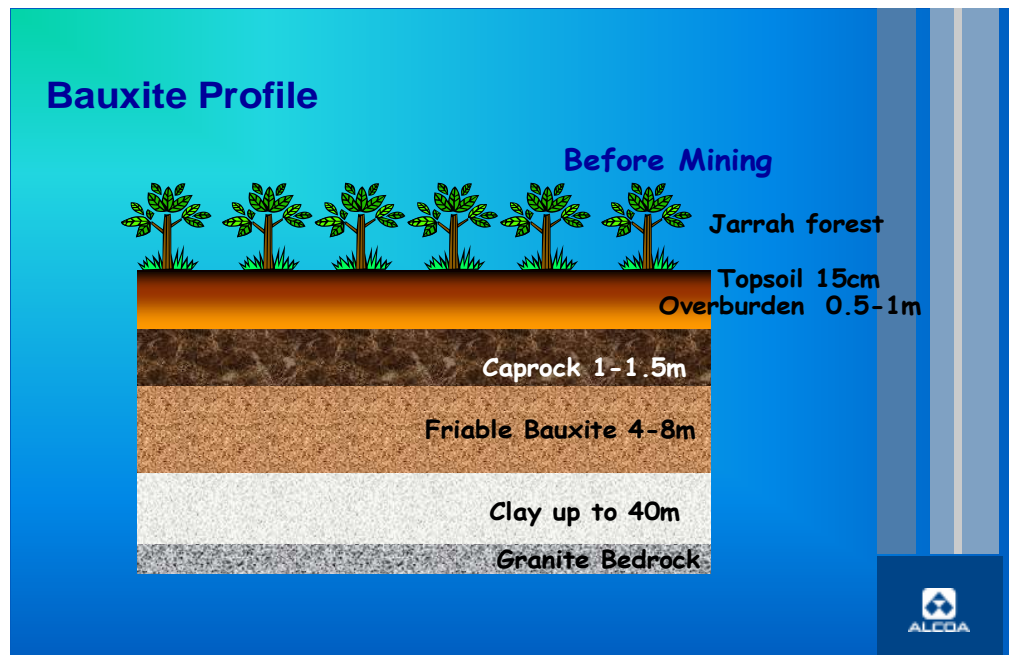
### Topic: Mining and Rehabilitation

#### 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 & Environment:** Place and Space, Resources

**Science:** Earth and Beyond, Natural and Processed Materials

**Technology and Enterprise:** Information