

## So What Do You Know About Bauxite Mining?

### Topic: Bauxite Mining

Before you embark on any unit of work, it's good to find out what you already know before thinking about what you need to know. In your class or group, brainstorm everything you already know about mining. Write this up on a big chart or board.

Now, in pairs, write up a list of questions about bauxite mining. You may choose to start with simple questions before going on to the more analytical and controversial. Leave a lot of blank space at the bottom of your questions page. Often, the more you read about a particular topic, the more questions you have! Continue to write up more questions as you go.

Write a list of all the ways you can find answers to your questions. Check out the resource list on [www.alcoa.com.au](http://www.alcoa.com.au) which will help you to get started.

What Do You Mean? - Definitions

### You Will Need

- Access to the internet or school library

### What You Need to Do

- Give a written or oral explanation of the following terminology:
  - a) bauxite
  - b) rehabilitation
  - c) sustainable development



### Extension/ Alternative

In one class discussion, create a glossary that might include the following words and phrases:

- global information system (GIS)
- biodiversity
- mining footprint
- exploration drilling
- forest products commission
- cap rock
- friable bauxite
- overburden
- pits
- crusher
- mine management plan (MMP)
- mobile equipment
- sustainability
- scrapers

You might like to create your class glossary as a chart for your classroom. That way you can refer to it easily.

### Curriculum Links

**English:** Writing, Reading, Speaking & Listening

**Society & Environment:** Investigation, Communication & Participation, Resources, Place and Space, Active Citizenship - Ecological Sustainability

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

### **Possible Glossary**

Mobile Maintenance

Fixed Plant

Bund Walls

Grade Control

Drilling Rig

Haul Road

Excavator

Geologist

Surveyor

Conveying

Blast Acoustic Model (BAM)

Grade Control

Mine Manager

Production

Environmental Scientist

DEC (Department of Environment and Conservation)

Wash Down

Exploration Surveying

Radio Silence

Sumps

Laser Guidance System

Mining Process

Crusher

Haul Truck

Grader

Blasting

Ripping