

What is Mining?

Glue this side
down into your
science notebook.

“A dot is a lot!”

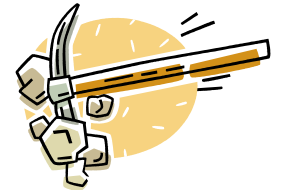
Used with ppt:
<http://www.middleschoolscience.com/What-is-Mining.ppt>

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Mining is extracting _____ or
_____ from the ground.

An _____ is a natural material with a high concentration of _____ valuable minerals that can be _____ for a profit.

There are two types of mines:



1. _____ Mining

A. _____ deposits are on or near the
_____ of the Earth and are removed.

B. There are 3 types of surface mines:

1. _____: removes large, near
surface deposits of _____ such as
_____ and copper. Mined downward in

2. _____: stone, crushed rock,
sand, and gravel

3. _____: removing surface
_____ in strips up to 50 m wide x 1 Km long

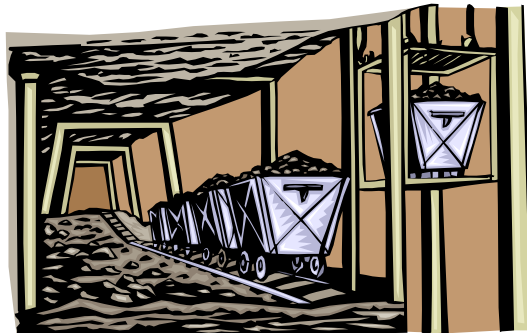
2. _____ Mining

A. Minerals are located too _____ for surface mining

B. _____ and _____ are dug into the ground to reach the _____.

C. Sterling Mine Museum

1. Last operating _____ mine in New Jersey.
2. Closed in _____ after more than 138 years of almost continuous production.
3. Produced more than _____ million tons of _____
4. Depth of more than _____ ft below the surface through tunnels totaling more than _____ miles in length.



Reclamation:

1. Mining can _____ or disturb _____
2. _____ products can _____ water systems
3. When a mine is no longer being used, the land should be _____ to its _____ state or _____ = Reclamation
4. Surface Mining and Reclamation Act of _____

Why do we need mining?

1. You will use _____ million pounds of _____, _____, and _____ in your lifetime
2. List 6 examples of products made from mined materials:
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
 - f. _____
3. If you can't _____ it, you have to _____ it!