

# What is Mining?

Glue this side  
down into your  
science notebook.

“A dot is a lot!”

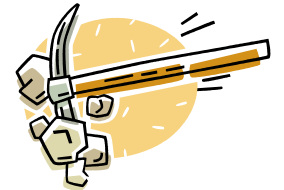
Used with ppt:  
<http://www.middleschoolscience.com/What-is-Mining.ppt>

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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

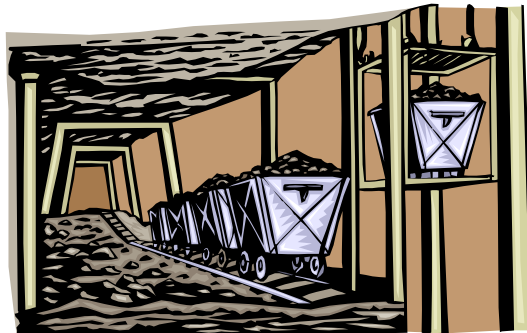
2. \_\_\_\_\_ Mining

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!