

Name _____ Date _____

What is mining?

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: _____ and _____

Are there mines in NJ?

- A. No B. Surface Only C. Subsurface Only D. Both

1) _____ Mining

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

b. There are 3 types of surface mines:

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

ii. _____: stone, crushed rock, sand, gravel

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

How many US States have surface mines?

- A. 10 or less B. Between 10-40 C. More than 40

2) _____ Mining

a. Minerals are located too _____ for surface mining

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

Name _____ Date _____

What is mining?

How many US States have sub-surface mines?

- A. 10 or less B. Between 10-40 C. More than 40

Where can we find the most coal mines?

- A. Eastern US B. Central US C. Western US

Where can we find the most metal mines?

- A. Eastern US B. Central US C. Western US

3) Sterling Mine Museum

- i. Last operating _____ mine in New Jersey.
- ii. Closed in _____ after more than 138 years of almost continuous production.
- iii. Produced more than _____ million tons of _____
- iv. 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:
 - i. _____ iv _____
 - ii. _____ v _____
 - iii. _____ vi _____
- 3) If you can't _____ it, you have to _____ it!