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 ___________.

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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 mind the most coal mines?
A. Eastern US  B. Central US  C. Western US

Where can we mind 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!

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