6+ Activity

NAME



Minerals, mined from or on the soil, are a natural resource we use **EVERY** day. Minerals are mined from the soil all over the world. For example:



Have you used a cell phone in the last 24 hours? Cell phones contain the

mineral coltan. Colton is mined in the eastern Congo.

Have you had a soft drink lately? Most of the aluminum for the can comes from Australia.

Have you flipped a switch or pressed an "on" button? If so you used copper. Copper is used in wiring and electronics because of it's high conductivity. Most of the world's copper supply is mined in Chile. It is also mined in the United States; Arizona, New Mexico, Utah, Montana and Nevada.

Iron ore is a mineral used to make steel. If you've ridden in a vehicle today you have made use of iron ore. Iron ore is mined in Minnesota and Michigan.

Listed below are several of the minerals mined in the United States and some of the states they are mined in. Circle any of the minerals you have made use of or came in contact with.

Mineral Beryl Boron Clay Copper Feldspar Flourite	Product/Use x-ray technology laundry detergent bricks & tiles electronics glass toothpaste	U.S. Mine Locations Utah California Georgia, Hawaii, Mississippi, Nebraska, South Ca Arizona, Montana, New Mexico, Utah Connecticut Alaska, Arizona, Colorado, Illinois, Kentucky, Mis Hampshire, New Mexico, New York, Ohio, Oklah	ssouri, New
Gypsum Iron Ore Lithium Magnetite Molybdenite Mica	sheet rock (walls) cars/trucks batteries forks & spoons jet engines auto tires & paint	Iowa Michigan, Minnesota North Carolina Arkansas, New Jersey, New York, Pennsylvania Colorado, Montana, New Mexico North Carolina	
Quartz Salt Trona Zercon Zinc	computers seasoning glass jewelry batteries	Arkansas Louisiana, New York, Kansas, Ohio, West Virginal Wyoming New Jersey Alaska, Idaho	

NAME

Write the first letter of each mineral in the state(s) where it is mined.

What effect do you think mining has on the soil?

Can you think of any ways to reduce the need for mining?



How many minerals were used	What minerals make up more
to make your computer?	than 50% of Earth's crust?
A. 7	A. feldspars
B. 25	B. clays
C. 66	C. copper
What mineral is the hardest	What mineral was so valuable in the past that it was traded

t mineral is substance on earth?

- A. diamond
- B. iron ore
- C. zinc

c. both A & B

Circle the minerals we need in

Minerals are responsible for

our diets. A. Calcium B. Sulfur

C. Potassium

the colors in?

A. gemstones

B. fireworks

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ounce for ounce for gold?

A. quartz

B. salt

c. beryl