



Name _____ Class _____ Date _____

1 This is a picture of a strip mine **after** the company finished mining all the ore it could find. It has been **returned to its original, natural state**, and it is about impossible to see that mining ever occurred here. Returning a mined area to its original state is called _____.

A back-filling
B surface mining
C reclamation
D strip mining



2 A resource that naturally replaces itself in a reasonable period of time is called a **renewable resource**.
Are mineral ores renewable resources?

A yes
B no



3 In Brewster, New York, a very large **magnetite deposit** was discovered and mined for many years. The mine was known as the Tilly Foster Mine. Metal from the magnetite was used to make steel.
What metal was recovered from the magnetite?



4 The mineral **beryl** contains the **element** _____. **This element is used to make alloys for strong, lightweight bicycle frames and airplanes.**

A aluminum
B beryllium
C germanium



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PREVIEW

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What is this mystery element?

- A** lead
- B** quartz
- C** carbon
- D** iron



Such as pyrite or gypsum.

- A** water sources
- B** gemstones
- C** minerals
- D** elements



9 The mineral gypsum has a chemical formula of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$. Plaster of paris is made by **heating** crushed gypsum until it turns into a **dry**, very fine powder. It is used by **adding water** to the powdered gypsum which is then allowed to dry and harden again. **What is the chemical formula of the powdered gypsum after it has been heated?**

A $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
B CaSO_4
C $\text{CaSO}_4 \cdot 10\text{H}_2\text{O}$
D $2\text{H}_2\text{O}$



10 A unique deposit of garnet was discovered at Gore Mountain, in New York state. This garnet breaks into very **small, sharp fragments**. **Gore Mountain garnet is very useful for making _____.**

- A** large gemstones
- B** copper ore
- C** sandpaper
- D** steel





ANSWER KEY

This is a picture of a strip mine **after** the company finished mining all the ore it could find. It has been **returned to its original, natural state**, and it is about impossible to see that mining ever occurred here. Returning a mined area to its original state is called _____.



- A back-filling
- B surface mining
- C reclamation
- D strip mining

(c)

A resource that naturally replaces itself in a reasonable period of time is called a **renewable resource**.

Are **mineral ores** renewable resources?



(b)

- A yes
- B no

In Brewster, New York, a very large **magnetite deposit** was discovered and mined for many years. The mine was known as the Tilly Foster Mine. Metal from the magnetite was used to make steel.

What **metal** was recovered from the magnetite?



- A iron
- B copper
- C aluminum
- D

(a)

The mineral **beryl** contains the **element** _____. This element is used to make alloys for strong, lightweight bicycle frames and airplanes.



(b)

- A aluminum
- B beryllium
- C germanium
- D uranium



PREVIEW

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- A lead
- B quartz
- C carbon
- D iron



- A water sources
- B gemstones
- C minerals
- D elements



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(b)

A unique deposit of garnet was discovered at Gore Mountain, in New York state. This garnet breaks into very **small, sharp fragments**. **Gore Mountain garnet** is very useful for making _____.



(c)

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