



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.

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



5 **PREVIEW**
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7 poisoning is a very serious health hazard, so it has fewer uses now. This element is recovered from the mineral galena or from _____ ores.

What is this mystery element?

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



pure sulfur is mined directly from the earth. Most sulfur, however, comes from _____ 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





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