Name	Class	Date

Skills Worksheet

## **Concept Review**

## **MATCHING**

Write the letter of the term or phrase on the right that best matches the description on the left in the space provided.

\_\_\_ 1. process of returning land to its original or better **a.** allov condition after mining **b.** surface mining c. longwall **2.** the wall of a coal seam **d.** subsidence **3.** minerals that contain valuable substances **e.** ore minerals **4.** two or more metals that are combined **f.** aggregates g. reclamation **5.** open pit used to mine materials near the surface **h.** quarry **6.** process by which crushed ore is melted at high i. smelting temperatures to separate impurities from molten metal j. placer deposits 7. mining method used when ore deposits are located close to Earth's surface **8.** sand, gravel, and crushed rock **9.** minerals concentrated by wind and water movement into surface deposits

## **MULTIPLE CHOICE**

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

\_\_\_\_11. The first step in surface coal mining is

or no horizontal movement

**10.** the sinking of regions of the ground with little

- **a.** to remove and set aside the soil that covers the area to be mined.
- **b.** to use heavy equipment to take core samples.
- **c.** to test to see if quarrying would be more effective.
- **d.** to make cuts in the coal for easier removal.
- **12.** A serious hazard of coal mining is
  - **a.** a high-pressure water blast.
  - **b.** an aggregation.
  - **c.** excess overburden.
  - **d.** an underground mine fire.

Name		Class	Date
Concep	t Review continued		
13.	<ul><li>Dredging streambeds may be</li><li>a. silica.</li><li>b. coal.</li></ul>	e an effective technique <b>c.</b> gold. <b>d.</b> sulfur.	e for mining
14	<ul> <li>Before mining a site, a mining except</li> <li>a. obtain permits from state</li> <li>b. comply with federal regule</li> <li>c. obtain bonding.</li> <li>d. cut into a section of the local</li> </ul>	agencies. ations.	of the following
15.	<ul> <li>a. what is the arrangement of a</li> <li>a. porous, woven patterns</li> <li>b. regular, repeating geometres</li> <li>c. irregular patterns</li> <li>d. clumped groups of like elections</li> </ul>	ric patterns	
16	<ul><li>Nonmetallic minerals prized are called</li><li>a. aggregates.</li><li>b. overburden.</li></ul>	mainly for their beauty,  c. native elemen d. gemstones.	
17	<ul><li>Which of the following is no surface mine?</li><li>a. plant life</li><li>b. soil nutrients</li></ul>	t affected when soil is  c. animal habita d. deep coal sea	at
18	<ul><li>Mining companies can idential</li><li>a. mineral exploration.</li><li>b. smelting.</li></ul>	fy areas of valuable mi <b>c.</b> mineral excar <b>d.</b> dredging.	•
19	<ul><li>Solar evaporation is practical climates where rainfall is exe</li><li>a. evaporation.</li><li>b. snowfall.</li></ul>		
20	<ul> <li>a. cooling of magma</li> <li>b. circulation of hydrotherm</li> <li>c. flooding of empty streaml</li> <li>d. evaporation of water that</li> </ul>	al solutions through ro peds and rivers	-
21	<ul> <li>Which of the following is one largely unsuccessful to date?</li> <li>a. Deposits at great water de</li> <li>b. Ocean water is too salty.</li> <li>c. There is too much aggregate</li> </ul>	epths are difficult to wo	_

**d.** Magma exists under the ocean floor.