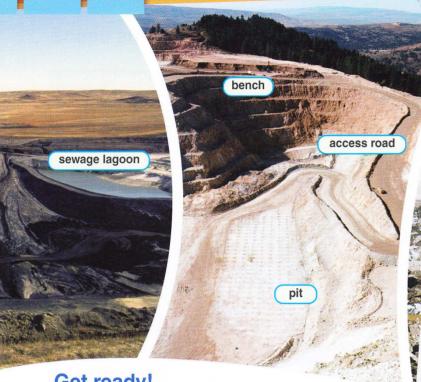
Places in a Surface Mine



Get ready!

- 1 Before you read the passage, talk about these questions.
 - 1 What are some important parts of a surface mine?
 - 2 What is needed to have a successful mine?

Reading

- 2 Read the memo. Then, choose the correct answers.
 - 1 What is the main purpose of the memo?
 - A to report problems at a mine
 - B to request additional equipment
 - C to suggest a site for mining
 - D to describe the progress of a mine
 - **2** What is the significance of the outcrop mentioned in the memo?
 - A It determined where the pit will be located.
 - **B** It prevented workers from creating a sewage lagoon.
 - **C** It resulted in more overburden than the company anticipated.
 - **D** It delayed the company from obtaining permission from the city.
 - 3 Which of the following has been constructed on the site?
 - A access ramps
- C waste dump
- B haulage roads
- D access roads

'memo

From: Mr. Gregg Williams
To: All board members of

Manderton Mining

Re: Red Hill Mine

Crews have located an **outcrop**. It will guide us when we begin digging the main **pit**. Teams are estimating depth for **benches**, the ideal depth which will allow us to reach the targeted area of the coal **face**. **Access ramps** and **berms** will be built as digging progresses.

We started constructing haulage roads. Crews are also placing the lining for the sewage lagoon. The crews need to complete their estimates on how large the pit will be. Then we can select a site for the waste dumps for waste rock. Crews also need to estimate the amount of overburden.

We are waiting for permission from the city. Then we can build **access roads** from the highway to the actual site. Work on the main office and storage facilities will also begin once the access roads are built.

Vocabulary

waste dump

- 3 Read the sentence pairs.
 Choose the sentence that uses the underlined part correctly.
 - **1 A** James put the new equipment in the <u>waste</u> <u>dump</u>.
 - **B** The crews are working on the western <u>face</u> today.
 - **2** A Lenny sent tools down the <u>waste dump</u> to a lower level of the mine.
 - **B** The driver turned onto the <u>access road</u> to reach the mining site.
 - 3 A The new miner is assigned to work in the pit.
 - **B** The machines removed earth to expose the <u>overburden</u>.
 - **4 A** The <u>haulage road</u> connects the pit to the transport area.
 - **B** The <u>waste rock</u> was refined immediately.
 - 5 A Fresh water is available at the sewage lagoon.
 - **B** The vehicle was not damaged due to the <u>berm</u>.

Fill in the blanks with the correct words or phrases from the word bank.		Speaking	
	BANK	With a partner, act out the roles below based on Task 7. Then, switch roles.	
w	outcrop sewage lagoon bench aste dump waste rock overburden	USE LANGUAGE SUCH AS:	
1 The could	was stored in a dump until it be moved elsewhere. guided the team as they dug the pit.	You'll want to watch out for Actually, What's it for, exactly?	
befor 4 Wast	re they accessed the ore. re water is stored in the while they worked.	Student A: You are a construction foreman giving a tour of the mine. Talk to Student B about:	
6 The r	mine needs more space for a e unneeded materials are kept.	 staying safe at the site what structures have been built 	
	en and read the memo again. What structures ed to be built?	what structures need to be built	
forema	en to a conversation between a construction n and an executive. Mark the following ents as true (T) or false (F).	Student B: You are an executive. Talk to Student A about the mine. Writing	
2 T	ne speakers are discussing the construction of a new mine. ne site has access roads already. rews already built berms at the site.	Use the conversation from Task 8 to fill out the mine survey form.	
	en again and complete the conversation.	MANDERTON MINING	
Foreman:	Okay, Ms. Stein. You can see where we've started construction on the pit. You'll want to 1 the edge there.	Site Inspection Sheet	
xecutive:	Wow, that's very deep. How do the mining crews get down to the face?	What is the production status of the mine?	
oreman:	There will be a small 2 on the other side.		
	I see. And the road next to the pit leads to the highway? Actually, those are 3 Trucks on these roads will carry the coal for processing. Some will also carry 4 to the dump.	Describe any safety issues you observed at the mine.	
xecutive:	That's what I thought. Hmm I see a ledge along the pit. But it looks too narrow for anyone to work there.	What structures still need to be built?	

____. It helps 6 __

_____from the slope above.

Foreman: That's just a 5 ___