

# Metallic Ores

## Write down new words:

- ferrous metals – чёрные металлы
- iron – железо
- stainless steel – нержавеющая сталь
- base metal – цветные металлы
- lead – свинец
- copper – медь
- silver – серебро
- gold – золото
- platinum – платина
- radioactive metals – радиоактивные металл
- uranium – уран

- 1 What are some common uses of metals?
- 2 Can any of these metals be dangerous?

# The Miner's Handbook

## Types of Metals

Mining for metals is a major part of the mining industry. There are four types of metals. **Ferrous metals** are one type. These metals contain **iron**. For example, **stainless steel** is a ferrous metal. **Base metals** are a second type of metal. **Lead** and **copper** are base metals. Unlike base metals, precious metals are not very common. Precious metals are typically very valuable. **Silver, gold** and **platinum** are precious metals. The final type of metal is **radioactive metals**. Radioactive metals can be dangerous. For this reason, miners should handle radioactive metals like **uranium** carefully.

### Reading

2 Read the textbook excerpt. Then, choose the correct answers.

1 What is true about stainless steel?

- A It contains iron.
- B It is a type of iron.
- C It is often radioactive.
- D It is very valuable.

2 Which of the following is NOT a precious metal?

- A silver
- B uranium
- C gold
- D platinum

3 Which is the most common type of metal?

- A ferrous metals
- B base metals
- C precious metals
- D radioactive metals

## Vocabulary

**3** Match the words or phrases (1-8) with the definitions (A-H).

- |   |                      |   |            |
|---|----------------------|---|------------|
| 1 | __ ferrous metal     | 5 | __ gold    |
| 2 | __ base metal        | 6 | __ copper  |
| 3 | __ radioactive metal | 7 | __ lead    |
| 4 | __ silver            | 8 | __ uranium |

- A a precious metal that is often yellow
- B a base metal that is red
- C a type of radioactive metal
- D the most common type of metal
- E a toxic base metal that is white
- F a type of metal that contains iron
- G a type of metal that is radioactive
- H a precious metal that is white

**4** Read the sentence pairs. Choose which word or phrase best fits each blank.

**1** platinum / iron

**A** \_\_\_\_\_ is a very valuable precious metal.


**B** Ferrous metals contain \_\_\_\_\_.

**2** stainless steel / uranium


**A** People make tools with \_\_\_\_\_.

**B** \_\_\_\_\_ is very dangerous.

## Listening

**6**  Listen to a conversation between an instructor and a student. Mark the following statements as true (T) or false (F).

- 1  The speakers are reviewing types of ferrous metals.
- 2  The man gives examples of base metals.
- 3  The woman knows what type of metal stainless steel is.

**7**  Listen again and complete the conversation.

**Instructor:** Does anybody have any questions?

**Student:** I do. What's the **1** \_\_\_\_\_ type of metal?

**Instructor:** Out of the four types of metals, base metals are the most common.

**Student:** Base metals? Like **2** \_\_\_\_\_ ?

**Instructor:** No. Lead and copper are examples of **3** \_\_\_\_\_ .

**Student:** That's right. Now I remember. Platinum is a precious metal, **4** \_\_\_\_\_ ?

**Instructor:** Very good. What about the other types of metals? Can you **5** \_\_\_\_\_ examples?

**Student:** Um, well, stainless steel is a ferrous metal. The only **6** \_\_\_\_\_ I can think of is uranium.

**Instructor:** Good job.

## Writing

- 9 Use the conversation from Task 8 to complete the notes.

# 4 Four Types of Metal

- \_\_\_\_\_ is an example of a \_\_\_\_\_  
\_\_\_\_\_.

Out of the four types of metal, \_\_\_\_\_  
are \_\_\_\_\_.

- \_\_\_\_\_ is an example of a \_\_\_\_\_  
\_\_\_\_\_.

- \_\_\_\_\_ is an example of a \_\_\_\_\_  
\_\_\_\_\_.