

Chapter 4 Earth's Resources

Section 4.1 Energy and Mineral Resources

This section discusses different types of resources, including renewable, nonrenewable, energy, and mineral resources.

Reading Strategy

Monitoring Your Understanding List what you know about energy and mineral resources in the first column and what you'd like to know in the second column. After you read, list what you have learned in the last column. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

Energy and Mineral Resources		
What I Know	What I Would Like to Know	What I Learned
a.	c.	e.
b.	d.	f.

Renewable and Nonrenewable Resources

- ☛ Is the following sentence true or false? Renewable resources can be replenished over fairly short time spans. _____
- ☛ A(n) _____ resource takes millions of years to form and accumulate.
- Circle the letter of the nonrenewable resource.
 - trees
 - sunlight
 - wind energy
 - natural gas

Fossil Fuels

- ☛ What are three examples of fossil fuels? _____

- Circle the letter of the last stage of coal development.
 - anthracite
 - bituminous
 - lignite
 - peat
- Is the following sentence true or false? Natural gas forms from the buried remains of animals and plants. _____

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Tar Sands and Oil Shale

Match each description with its fuel source.

- | Description | Fuel Source |
|--|--------------|
| _____ 7. 🔄 World supplies are expected to dwindle in the future. | a. petroleum |
| _____ 8. mixture of bitumen, water, clay, and sand | b. oil shale |
| _____ 9. rock containing kerogen | c. tar sands |

Formation of Mineral Deposits

10. 🔄 Complete the table below.

Mineral Deposits		
Type	How Forms	Mineral Examples
Magma deposit		chromite, platinum
		gold, silver, mercury
	Eroded heavy minerals settle from moving water.	

Nonmetallic Mineral Resources

11. Circle the letter of the nonmetallic mineral resource.
- a. limestone
 - b. gold
 - c. chromite
 - d. petroleum
12. 🔄 Is the following sentence true or false? Nonmetallic mineral resources are used as a source of energy. _____