

Chapter 12 lesson 1

Resources

Compare and contrast between renewable and nonrenewable resources in terms of their use by man.

Spi 0707.7.7

Essential Questions

- What are natural resources?
- What are fossil fuels? Why is it important to conserve fossil fuels?

Natural Resources

- View Brain pop video and complete graphic organizer
- <https://www.brainpop.com/science/ourfragileenvironment/naturalresources/>
- Share your findings with partner

Video response

Write details about renewable(left), details about nonrenewable (middle), and conservation measures that can help save both in the right column.

Renewable Resources	Nonrenewable resources	Conservation measures

I. Resources

- What do an earthworm, a robin and leaves have in common?
- What kind of natural resources do you use?
- **Natural resources – the parts of the environment that are useful or necessary for the survival of living organisms.**

Renewable resources

- The sun, water, and crops are examples of renewable resources.
 - Why are these resources considered renewable?
- They are recycled or replaced constantly by nature.
- Can you think of anything else that is considered a renewable resource?



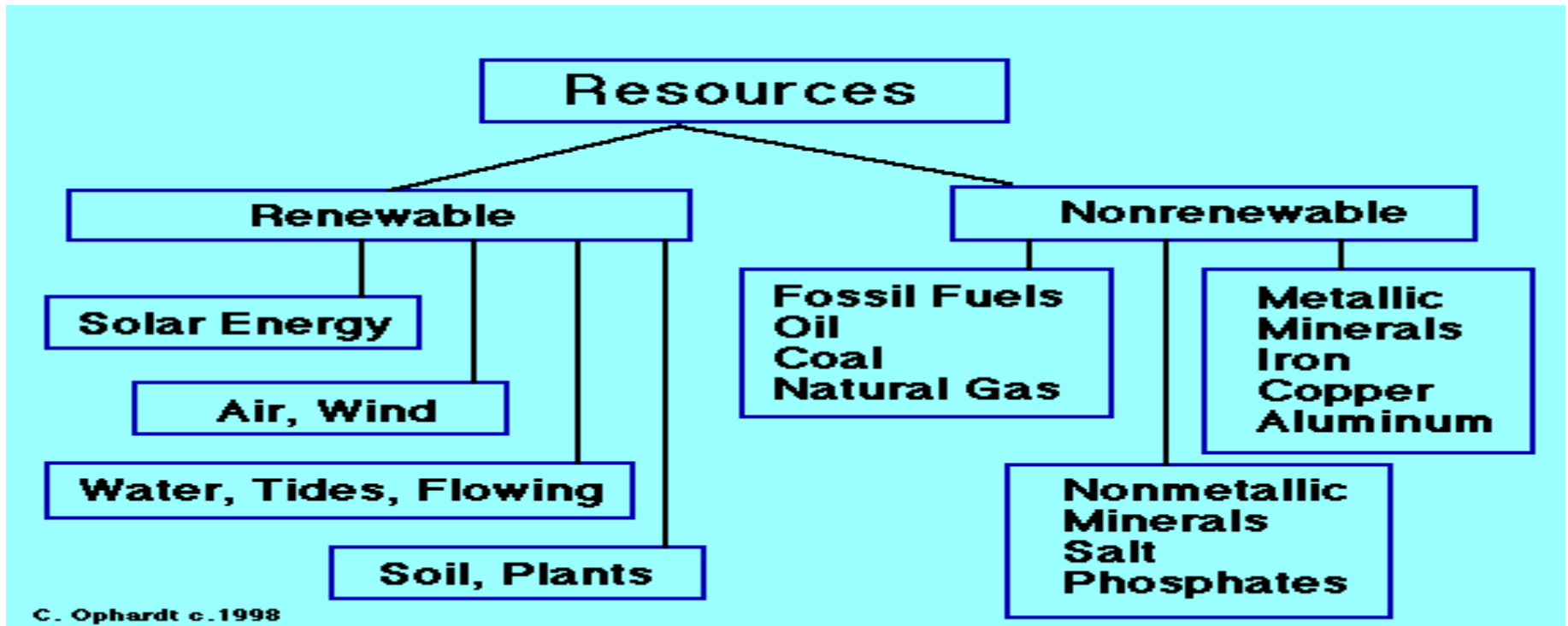
Today, acres of short, leafy soybeans cover much of American farmland. USDA.

Supply and Demand

- Read this section.
 - Write a summary in your notes and share what the section.
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- Brainpop Quiz Time
 - You need a dry erase board, marker, and eraser.
 - Write the correct answer for each questions on your board.
 - Do not reveal you answer until the teacher says “Survey says”
 - Be prepared to explain your answer.

Nonrenewable resources

- Earth's supply of nonrenewable resources is limited.
- Plastics, paints, and gasoline are made from petroleum (nonrenewable resources). It takes hundreds of millions of years for it to form.



Fossil Fuels

<https://www.brainpop.com/technology/energytechnology/fossilfuels/>

- Coal, oil, and natural gases – nonrenewable resources that supply energy.
- Oil makes gasoline, diesel and jet fuel – cars, buses, trains, airplanes
- Coal powers – power plants to produce electricity.
- Natural gas used in manufacturing (heating and cooking)

Read

Fossil fuel

conservation and list ways you can conserve energy.

[https://
www.brainpop.com/
science/energy/
conservingenergy/](https://www.brainpop.com/science/energy/conservingenergy/)

Read Time

- Read the Alternative to Fossil Fuels
- Explain each alternative, how it is used, and what problem if any that is created.

Exit Ticket

- Compare and contrast renewable and nonrenewable resources and explain ways that many of them can be conserved.