Warm-Up

Air Resources

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Lesson Question



Lesson Goals

Describe the as a natural resource.

Describe the importance of clean air.



Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

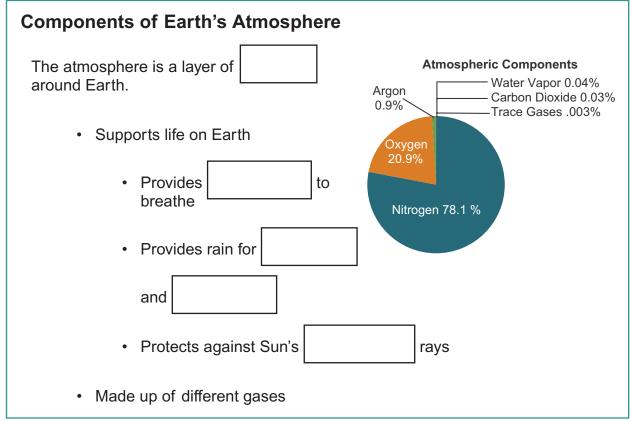
fossil fuels	a fuel formed from the remains of
photosynthesis	the process by which plants make dioxide from the atmosphere using carbon
respiration	the process by which plants produce oxygen from the atmosphere

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Warm-Up

Air Resources





Earth is divided into four parts, or spheres. The layer of gases surrounding Earth The water on Earth The water on Earth The hard outer part of Earth that contains living things

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Atmosphere and Earth's Spheres		
The atmosphere is a resource and plays a key role in many of		
Earth's .		
Cleans and replenishes Earth's supplies		
Provides water for		
• Produces		
Cycles gases		
•, oxygen, carbon dioxide		

Atmosphere and Biosphere	
The atmosphere recycles	through interactions with the biosphere.
 Photosynthesis 	
Plants use	Photosynthesis
water,	, Sunlight Oxygen
and carbon dioxide from the atmosphere.	m
Plants release	Carbon dioxide
into the atmosphere.	Water Minerals

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Atmosphere and Biosphere		
Respiration		
use oxygen from the atmosphere and release		
dioxide back into the atmosphere.		
Lithosphere and Atmosphere		
are one way the lithosphere interacts with the atmosphere.		
Volcanoes are important to the atmosphere's cycling of		
They erupt water vapor, carbon dioxide, and .		
Used by plants		
Can affect weather patterns		

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Clean Air		
Clean air is essential to good .		
Clean air provides oxygen to breathe.		
Clean air reduces the risk of illness and other health problems.		
Threats to clean air are largely invisible air pollution caused by:		
• burning of fuels.		
• from industrial processes.		
• smoking, mold, and .		

Effects of Dirty Air on Health
The effects of dirty air build up over time.
Negative health effects caused by breathing dirty air include:
allergies.
asthma.
• learning .
• diseases.
• premature .

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Indoor Air Pollution		
Indoor air pollution is a serious health threat according to the Environmental		
Agency (EPA).		
Causes of indoor air pollution include, mold, carbon monoxide, and radon.		
Indoor air pollution appears as particles.		
Pass through the body's natural defenses and reach bloodstream through		
 Exposure to these pollutants greatly affects human health. 		
Cause impaired and increase risks of asthma,		
stroke, heart attack, and other serious illnesses		
Ultrafine particles contribute to 17,000 deaths per year in the United States.		

Keeping Air Clean Due to the seriousness of air pollution, the United States has taken several key air and keep it steps to 1963 1970 The Clean Air Act The Clean Air Act The was was improved, and created to enforce the established cost-effective pollution Clean Air Act. reduction was to study ways to clean up emphasized. air pollution.

Summary

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Lesson Question

What is the importance of clean air as a natural resource?



Answer

Slide

Review: Key Concepts

- The atmosphere is a natural resource.
- The atmosphere interacts with several of Earth.
- Clean air requires air pollution.
- Poor air quality may lead to a variety of health issues if particles reach the lungs.



Summary

Air Resources

Use this space to write any questions or thoughts about this lesson.	