Name:	Date: Period: NOTES
	Notes: Natural Resources
What are natural resources?	 Natural Resources provide materials and People use natural resources to make, build cities, their homes, and make their lives more comfortable. Natural resource: any source, organism, or substance found in
	 that people use. People also know that there are AND in using natural resources; for example, coal produces but also smoke that the air.
What are the 2	Natural resources can be classified as and
types of resources?	Renewable resource: a natural resource that can be in nature at about the as it is used.
	Nonrenewable resource: a natural resource that exists in a amount or that is used up than it can be in nature. The supply of any nonrenewable resource is
What are fossil fuels?	 Fossil Fuels supply most of society's Fossil fuel: a energy source formed from ancient plants and
	buried in Earth's crust for of years. Includes, coal, and natural The energy in fossil fuels represents a form of stored, since
	 The energy in fossil fuels represents a form of stored, since ancient organisms depended on the Fossil fuels burn and produce a lot of They are used to run most or
	 the plants that generate Burning fossil fuels produces excess, harmful acids, and other
	forms of
What are	Fossil fuels,, and plants supply materials for modern products.
resources used for?	 Many of the products you use come from Ex. Oil is broken down into different parts that are used to make
	 Minerals are found in, airplanes, tools, wires, and chips.
	 Plants are used to make another large group of products.
	Ex is used to build homes and to make furniture, utensils, and
	Plants are also rich sources of, fibers, and
	 Fossil fuels must be burned to generate for the factories and businesses that make these
	 Factory waste can air,, and soil.
What is	Conservation involves waste and reusing resources.
conservation?	The trash amount per person has
	 Conservation programs try to our natural resources, protect our
	, and slow the amount of produced. – Conservation means, restoring, and natural
	resources so they last
	We need to the amount of pollution.
	There are ways to conserve:
	$ \rightarrow$ cut back
	$ \rightarrow$ use more than once
What is recycling?	
	: The of materials that people would otherwise
	EX. Glass, Cans, certain, paper Not every item can be or reused
	 Ex. Glass, cans, certain, paper Not every item can be or reused. Recycling is only of the solution to our problem. Recycling takes time,, and, but can help extend
	 Recycling takes time, , and , but can help extend
	available resources, and protect human and the environment.
How do we get	Fossil Fuels are the most used sources of energy, but
electricity?	 power is also used to produce In fuel power plants, water is to make that
	In fuel power plants, water is to make that
	turns a turbine, which drives a generator to make electricity fossil fuels
	(like wood or coal) the water.
What !=	In nuclear power plants, nuclear is used to the water.
What is nuclear fission?	Nuclear fission: the process in which the of a radioactive atom is forming lighter elements and releasing a amount of
	, forming lighter elements and releasing a amount of
	 Nuclear power plants use atoms as fuel. When a uranium nucleus splits, it forms 2 nuclei and releases a few

Renewable • Solar cells were created tothe sum sof fish, and making it harder to raise crops and livestock (some areas at the end of the river may receivewater). Renewable • Solar cells were created tothe sum s Power •		
that can cause death and		neutrons and a large amount of in the form of light and
that can cause death and		Although nuclear fission produces a lot of, it also produces radioactive
 Nuclear waste will remainfor thousands of years, so countries using it face the challenge ofit safely. How do we use renewable energy are moving, (A, Earth's) internal heat,, inving matter, and hydrogen. Sources of renewable energy are moving, (A, Earth's) internal heat,, inving matter, and hydrogen. These energy sources are in supply and usually produce electricity or with little or no and protect human to pay for the and protect human to pay for the and protect human to pay for the of developing them on a scale. Hydroelectric energy: electricity produced by moving to roduce electricity. People can use water to produce electricity. Because hydroelectric power doesn't is and hydrogen. Solar cells were created to (that can cause death and if living things are exposed to it long enough.
It face the challenge of		Nuclear waste will remain for thousands of years, so countries using
How do we use renewable energy are moving wind, Earth's internal heat,		it face the challenge of it safely.
renewable - Sources of renewable energy are moving	How do we use	resources are used to produce electricity and
resources?		 Sources of renewable energy are moving wind, Earth's internal heat.
 These energy sources are in		living matter and hydrogen
electricity or	resources:	These energy sources are in supply and usually produce
 These energy sources also help to preserve the and protect human		electricity or with little or no
Protect human		These energy sources also bein to preserve the
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Renewable energy: - Hydroelectric energy: electricity produced by moving		– Renewable resources provide only a percentage of energy used because these wassenergy as a final second
Renewable energy: • Hydroelectric energy: electricity produced by moving		
energy: — People can use water to produce electricity. Power — Because hydroelectric power doesn't any fuel, it produces no Power — Building can cause problems for the environment by Renewable — Solar cells were created to the sun's Energy: Solar •		developing them on a scale.
Hydroelectric - Because hydroelectric power doesn'tany fuel, it produces no		
Power - Buildingcan cause problems for the environment by	•••	 People can use water to produce electricity.
wildlife habitats, interfering with of fish, and making it harder to raise crops and livestock (some areas at the end of the river may receive water). Renewable Energy: Solar • Solar cells were created to the sun's device that converts light energy to rouse from the lower layer to the upper layer, producing an current. Power •	Hydroelectric	
crops and livestock (some areas at the end of the river may receive	Power	 Building can cause problems for the environment by
Renewable • Solar cells were created tothe sum's		wildlife habitats, interfering with of fish, and making it harder to raise
Renewable • Solar cells were created tothe sum's		crops and livestock (some areas at the end of the river may receive water).
Energy: Solar	Renewable	
Power - In a solar cell, whenstrikes the cell,move from the lower layer to the upper layer, producing ancurrent. - Solar cells can besource ofenergy but current methods of collecting sunlight is ansource ofenergy but current methods of collecting sunlight is ansource ofenergy but current Renewable Energy: - Geothermal Energy: energy produced by within Earth's	Energy: Solar	
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 Solar cells can be together in solar Sunlight is an source of energy but current methods of collecting sunlight are and somewhat Geothermal Energy: energy produced by within Earth's Geothermal energy comes from underground that is heated by Geothermal energy comes from underground that is heated by Geothermal energy is and renewable but is homes. Geothermal energy is close to the For thousands of years, people have used energy to move ships, grind, and pump water. Today, people use wind energy to generate Wind are areas with hundreds of Wind energy is clean and, but depends on strong winds blowing most of the time and wind farms take up a lot of but depends on strong winds blowing most of the time and wind farms take up a lot of but depends on strong winds blowing most of carbon dioxide (rowei	
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Renewable · Geothermal Energy: energy produced by		Sunlight is an source of energy but current
Renewable • Geothermal Energy: energy produced by within Earth's Energy: Geothermal energy comes from underground that is heated by		methods of collecting sunlight are and somewhat
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Geothermal		Coothermal energy energy produced by within Lattins
Energy - In the U.S., geothermal energy provides electricity for nearly homes. - Geothermal energy is and renewable but is to areas where hot water is close to the Renewable • For thousands of years, people have used energy to move ships, grind, and pump water. Today, people use wind energy to generate Energy • The modern is made of metal and plastic. The turn a set of gears that drives the generator to produce • Wind are areas with hundreds of • Wind energy is clean and, but depends on strong winds blowing most of the time and wind farms take up a lot of Energy: Biomass • Biomass that can be used as Energy: Biomass		
- Geothermal energy is and renewable but is to areas where hot water is close to the Renewable For thousands of years, people have used energy to move ships, grind, and pump water. Today, people use wind energy to generate Energy Wind		 In the U.C., another work are were ideal all strikity for yearshy
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Energy • The modern is made of metal and plastic. The turn a set of gears that drives the generator to produce • Wind are areas with hundreds of • Wind energy is clean and, but depends on strong winds blowing most of the time and wind farms take up a lot of Renewable Energy: Biomass Energy: • Biomass energy: matter, like (corn starch → ethanol) and animal, that can be used as • Biomass, that can be used as • Although biomass is a resource, burning biomass can produce electricity. • Although biomass is a resource, burning biomass can produce a lot of carbon dioxide (). Renewable Energy: Hydrogen Fuel Cells • Hydrogen is used in a hydrogen cell, which is a device that produces • Hydrogen fuel cells are used to supply electrical energy on and space stations and is being tested on other forms of • Hydrogen fuel cells are used to supply electrical energy and produces • Hydrogen fuel is very and takes a great deal of energy, time, and as byproducts. • However, hydrogen fuel is very and takes a great deal of energy, time, and • It is caused by increase greenhouse • The average of the Earth are, and the rate of increase is getting faster and • The average greenhouse It is caused by increase greenhouse the Earth to		For thousands of years, people have used energy to move ships, grind,
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 Although biomass is a resource, burning biomass can produce a lot of carbon dioxide (). Renewable Energy: Hydrogen Hydrogen is the atom, is a flammable gas, and must be handled with by separating hydrogen into protons and Hydrogen fuel cells are used to supply electrical energy on and space stations and is being tested on other forms of Hydrogen is a source of energy and produces and However, hydrogen fuel is very and takes a great deal of energy, time, and What is global warming? The average of the Earth are, and the rate of increase is getting faster and It is caused by increase greenhouse (like) in the atmosphere that heat and cause the Earth to up. 		than fossil fuels.
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