Energy Source Review

Fossil fuels and nuclear energy are <u>nonrenewable</u> resources.
List the three fossil fuels:
coal
01
natural gas
What does "nonrenewable" mean?
Once we use up the supply, we cannot get any more.
What are two advantages and disadvantages of using fossil fuels?
advantages - inexpensive, easy to transport, easy to burn release energy
disadvantages - will run out, gives off pollution, fluctuating prices
Write the type of each renewable resource described
hydroelectric - energy of flowing water
Where can you harvest this energy? Near bodies of water dams
geothermal - energy contained in the Earth's crust
Where can you harvest this energy? anywhere - you just need to dig deep enough
Where can you harvest this energy? places with a lot of sun; desert
energy from moving air
Where can you harvest this energy? Open spaces, hills
In a solar panel, a <u>photovoltaic</u> device converts the solar energy directly into

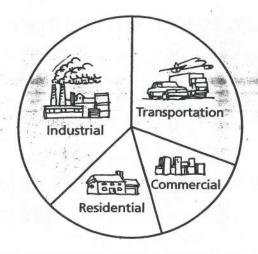
In a solar panel, a electrical energy.

Nonrenewable Resources

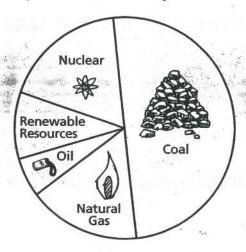
NATURAL RESOURCES

Nonrenewable resources are ones we have in limited supply. We need to use them wisely because they will not last forever. All of the fossil fuels—coal, oil, and natural gas—are nonrenewable fuels. Nuclear fuel is also nonrenewable. All nonrenewable resources cause some pollution to the environment. However, we use them for 92% of our energy needs.

Energy Use Areas in the U.S.



Major Sources of Electricity in the U.S.



Use the two graphs to answer the questions.

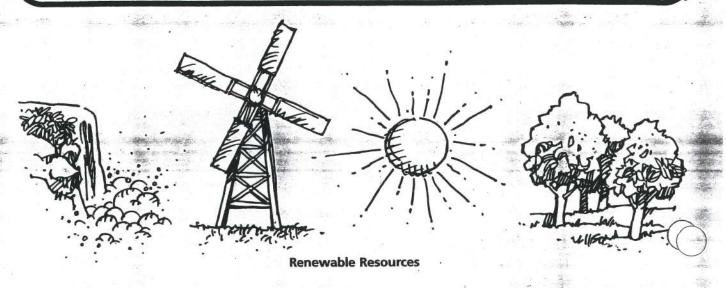
- In which two areas of energy use could you personally help by conserving and not wasting energy? ______ and _____ and
- Which nonrenewable resource is used the most to generate electricity?
- Which nonrenewable resource is used the most for transportation needs?
- Which nonrenewable resource is used the least to generate electricity?
- Which two areas of society use more energy for lighting, heating, air-conditioning, and cooking? ______ and _____ and

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Renewable Resources

NATURAL RESOURCES

Renewable resources are ones that we have in an unlimited amount, or are recycled by nature, or that we can replace. We have a continuous supply of sunlight and wind. Nature recycles the earth's water. We can plant new forests and crops. And we can raise new animals. The sun, the wind, and water can all be used to produce energy. We use plants and animals to give us energy through the food we eat.



Use the words in the box to complete the sentences.

	renewable	sun	wind	water	wood expar	nd elec	ctricity	
0	In the U.S. today resources.	, about	8% of o	ur energy is	supplied from	renew	gble_	
0	A long time ago	, our m	ain energ	y resource	was burning	000d	·	
3	The <u>SUN</u> resources.	6	and the _	wind	are the	cleanes	t renewak	ole
4	Dams have been to give us energ	built ir y.	n many p	aces to use	the power of fall	ing <u>W</u>	ater	

There are many places in the world where we can ______

renewable resources.