# Energy Resources: Study Guide Match each term to its definition.

Terms:	natural resource fossil fuel	nonrenewable resource generator	renewable resource		
1.		a resource that is fairly easy to rep	place if it is used		
2.		a useful material taken from the e	nvironment		
3.		a machine that changes the mech	nanical energy of a turbine into		
	electrical energy				
4.		substances that cannot easily be	replaced once they are used		
5.		an energy resource that was form	ed from organisms that died long		
	ago				
Classify each resource as renewable or nonrenewable.					

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6.	 coal
7.	 wind
8.	 natural gas
9.	 water
10.	 wood
11.	 uranium
12.	 solar energy
13.	 heat trapped inside the earth
14.	 biomass
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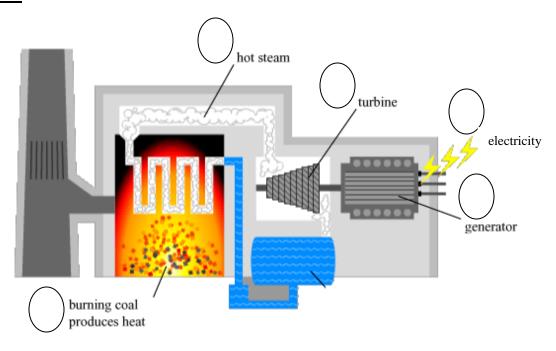
#### Match the term for each type of electrical energy to its original power source.

Word Bank:	hydroelectric		wind	solar
	geothermal		nuclear biomas	SS
16		eneray co	mes from heat	trapped inside the earth
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20		energy co	mes from burn	ing organic matter that is now trash
21		energy co	mes from movi	ng air



### **Energy Resources: Study Guide**

Number the diagram to show the sequence of steps in a fossil fuel power plant.



http://www.hk-phy.org/energy/power/print/elect\_is\_print\_e.html

# Fill in the blanks to complete the steps used to turn a fossil fuel into electrical energy. Use the diagram above to help you!

1.	A fossil fuel is in the boiler to produce heat.				
2.	The heat turns water into				
3.	Inside the pipes, the steam pushes against the blades of a				
4.	The blades are connected to a spinning shaft, which is connected to the				
5.	The generator changes the mechanical energy of the spinning shaft into				
	energy.				