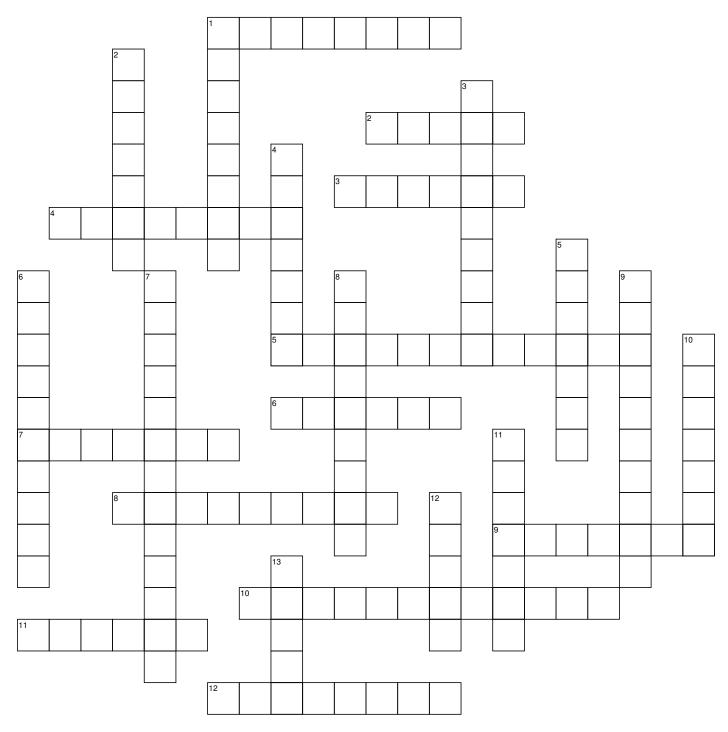
Crossword Puzzle - 5.1.1 Energy and Power						
Name:	Class:	Date:				

Fill in the crossword puzzle by using the clues.



Across

1. These nonrenewable resources are forms of ___ __ _ _ _ _ _ energy created from natural occurring elements.

2.	Systems must have: source of energy, processand load.					
3.	One type of energy flow diagrams are called	Diagrams.				
4.	The flow of energy within any system can be documented using energe	y flow				
5.	Nuclear power is also considered a resource.	energy				
6.	Advancements in the processing and controlling of been an enabling factor in the development of technology.					
7.	power is generated using uranium and the worlds energy needs.	I produces around 11% of				
8.	The designed world is the product of a design process, which provides materials, tools and machine energy, capital, and time - into products and services					
9.	transverse waves energy (light): is electromagnetic energy	gy that travels in				
10.	coal, oil, and natural gas.	le fossil fuels such as				
11.	95% of the worlds total energy demands.	ectrical power and meet				
12.	For example, the	y) in a car is converted to				
Dov	<u>wn</u>					
1.	energy: is energy stored in the bomolecules. Biomass, petroleum, natural gas, and coal are examples of	onds of atoms and f stored chemical energy.				
2.	that holds the nucleus together.	s of an atom the energy				
3.	energy resources include wat	er, solar and wind.				
4.	The heat required to produce steam, which turns the turbine is created, where atoms split and release energy	.				
5.	Wind works similarly, the wind blows and turns the blades of the					
6.	energy: energy stored in	the movement of objects				
7.	downward flow of water to turn the blades of a turbine.	s take advantage of the				

8.	First Law of Thermodynamics-Energy cannot be created or destroyed, it can be more from one form to another.						
9.	electric charge through a conductor. energy: energy made available by the flow of						
10.	Solar power plants generate electricity by converting the energy from sunlight to electrical using specific materials within the solar panel.						
11.	energy: or heat, is the vibration and movement of the atoms and molecules within substances						
12.	Oil and Coal	pla	nts produce harmful e	nvironmental emissions.			
13.	. The major of energy are: thermal, radiant (light,), electrical, mechanical, chemical, and nuclear.						
<u>Sele</u>	Select your answers from the following words:						
San Electrissi pow radi Nuc Fos	ctrical on ver ant elear	forms Thermal Nuclear converted nonrenewable resources	Nonrenewable Chemical Mechanical Hydroelectric turbine Renewable	gasoline chemical energy Radiant diagrams Power			

Word Search - 5.1.1 Energy and Power

Name:	Class:	Date:

Try to find the hidden words.

J	R	Α	D	I	Α	N	Т	S	F	Z	Α	U	J	S	G	Q	0	S	I
U	L	U	R	W	Ε	٧	С	0	N	٧	Ε	R	Т	Ε	D	G	R	S	Χ
K	W	R	Е	Ν	Е	W	Α	В	L	Е	М	Ν	Χ	Р	0	W	Ε	R	D
N	Ο	N	R	Е	Ν	Е	W	Α	В	L	Е	М	Е	J	G	Н	S	U	Н
F	Υ	F	Ν	U	С	L	Е	Α	R	Χ	S	R	J	R	U	L	0	Ε	Χ
М	Α	J	I	U	I	0	С	Н	Ε	М	I	С	Α	L	G	R	U	Т	Т
W	Z	С	U	S	С	Υ	F	F	0	R	М	S	R	Q	Н	Υ	R	Α	R
D	Α	F	U	K	S	L	Е	L	Ε	С	Т	R	I	С	Α	L	С	G	В
J	F	G	R	С	F	I	Е	Р	Р	Н	Ν	С	K	Ν	W	٧	Ε	Н	G
D	R	0	Т	Α	Υ	U	0	Α	J	G	Υ	W	0	L	Α	L	S	W	Q
Α	1	Χ	Z	U	D	Ν	0	Ν	R	Ε	N	Е	W	Α	В	L	Ε	Z	S
٧	G	Α	S	Ο	L	I	N	Е	J	F	Н	G	Н	S	U	Т	N	J	Ε
W	Т	F	G	L	Χ	С	Α	W	Т	М	Е	С	Н	Α	Ν	I	С	Α	L
٧	Н	J	Ο	R	Е	Н	F	Ν	L	F	J	V	S	Α	Α	G	D	Χ	В
G	Е	В	С	S	Α	Е	F	G	Т	Z	Z	М	S	В	В	R	Α	Т	U
٧	R	Υ	Υ	F	S	М	Т	I	L	Р	Н	J	Α	S	I	Υ	N	Α	W
٧	M	٧	С	Ο	Т	I	S	Р	D	Т	0	L	N	R	Α	W	Z	W	F
0	Α	U	М	Υ	D	С	L	М	Υ	Н	J	W	K	Ε	F	В	Н	S	L
F	L	Ε	0	Υ	S	Α	Т	U	R	В	I	N	Ε	Ε	В	Α	Н	V	G
Н	Υ	D	R	0	Ε	L	Ε	С	Т	R	I	С	Υ	R	J	Т	L	U	W

Select from the following words:

Power chemical Renewable radiant resources converted Sankey Electrical Nonrenewable Mechanical energy Nuclear fission

nonrenewable Nuclear Radiant diagrams gasoline power Thermal turbine Fossil Hydroelectric Chemical forms

Fill in the	Blank - 5.1.	1 Energy	and Power
-------------	--------------	----------	-----------

Name:	Class:	Data:
Name	Olass	Date

Fill in the blanks in these sentences with the word that fits.

1.	The designed world is the product of a design process, which provides ways to turn - materials, tools and machines, people, information,				
	energy, capital, and time - into products and services				
2.	Advancements in the processing and controlling of resources have been an enabling factor in the development of technology.				
3.	First Law of Thermodynamics-Energy cannot be created or destroyed, it can be from one form to another.				
4.	For example, the (chemical energy) in a car is converted to heat (thermal energy) and movement (mechanical energy).				
5.	The major of energy are: thermal, radiant (light,), electrical, mechanical, chemical, and nuclear.				
6.	energy: or heat, is the vibration and movement of the atoms and molecules within substances				
7.	energy (light): is electromagnetic energy that travels in transverse waves				
8.	electric charge through a conductor. energy: energy made available by the flow of				
9.	energy: energy stored in the movement of objects				
10.	energy: is energy stored in the bonds of atoms and molecules. Biomass, petroleum, natural gas, and coal are examples of stored chemical energy.				
11.	energy: is energy stored in the nucleus of an atom the energy that holds the nucleus together.				
12.	coal, oil, and natural gas.				
13.	These nonrenewable resources are forms of energy created from natural occurring elements.				
14.	fuels provide around 66% of the worlds electrical power and meet 95% of the worlds total energy demands.				
15.	Oil and Coal plants produce harmful environmental emissions.				

16.	Nuclear power is also considered a energy resource.						
17.							
18.	The heat required to produce steam, which turns the turbine is created using a process called, where atoms split and release energy in the form of heat.						
19.			energy resource	s include water, solar and win	ıd.		
20.	downward flow o	of water to turn the bla	ades of a turbine.	_ power plants take advantage	e of the		
21.	Wind works simi	larly, the wind blows a	and turns the blades	s of the			
22.	2. Solar power plants generate electricity by converting the energy from sunlight to electrical using specific materials within the solar panel.						
23.		Systems must	have: source of ene	ergy, processand load.			
24.	. The flow of energy within any system can be documented using energy flow						
25.	One type of ene	rgy flow diagrams are	called	Diagrams.			
<u>Sel</u>	ect your answer	s from the following	words:				
Fossil I Nonrenewable Sankey I nonrenewable		Hydroelectric	Thermal	forms Chemical Nuclear converted diagrams Electrical			

Mix and Match - 5.1.1 Energy and Power							
Name:	Class:	Date:					

Fill in the blank with the letter next to the word that best completes the sentence.

1.	Advancements in the processing and controlling of resources have been an enabling factor in the development of technology.	a.	Renewable
2.	energy: energy made available by the flow of electric charge through a conductor.	b.	Mechanical
3.	These nonrenewable resources are forms of energy created from natural occurring elements.	C.	converted
4.	Systems must have: source of energy, processand load.	d.	Hydroelectric
5.	energy: is energy stored in the bonds of atoms and molecules. Biomass, petroleum, natural gas, and coal are examples of stored chemical energy.	e.	Nuclear
6.	energy: or heat, is the vibration and movement of the atoms and molecules within substances	f.	nonrenewable
7.	One type of energy flow diagrams are called Diagrams.	g.	power
8.	fuels provide around 66% of the worlds electrical power and meet 95% of the worlds total energy demands.	h.	Thermal
9.	The designed world is the product of a design process, which provides ways to turn materials, tools and machines, people, information, energy, capital, and time - into products and services	i.	Nuclear
10.	Nuclear power is also considered a energy resource.	j.	forms
11.	The flow of energy within any system can be documented using energy flow	k.	Electrical
12.	power plants take advantage of the downward flow of water to turn the blades of a turbine.	l.	Fossil
13.	energy resources include water, solar and wind.	m.	diagrams
14.	The heat required to produce steam, which turns the turbine is created using a process called, where atoms split and release energy in the form of heat.	n.	chemical
15.	resources include fossil fuels such as coal, oil, and natural gas.	0.	resources

16.	First Law of Thermodynamics-Energy cannot be created or destroyed, it can be from one form to another.	p.	Nonrenewable
17.	energy (light): is electromagnetic energy that travels in transverse waves	q.	Power
18.	energy: is energy stored in the nucleus of an atom the energy that holds the nucleus together.	r.	radiant
19.	Solar power plants generate electricity by converting the energy from sunlight to electrical using specific materials within the solar panel.	S.	Radiant
20.	For example, the (chemical energy) in a car is converted to heat (thermal energy) and movement (mechanical energy).	t.	fission
21.	power is generated using uranium and produces around 11% of the worlds energy needs.	u.	turbine
22.	energy: energy stored in the movement of objects	٧.	gasoline
23.	Oil and Coal plants produce harmful environmental emissions.	W.	Chemical
24.	Wind works similarly, the wind blows and turns the blades of the	х.	energy
25.	The major of energy are: thermal, radiant (light,), electrical, mechanical, chemical, and nuclear.	y.	Sankey