Name: \_\_\_\_\_\_ Period: \_\_\_\_\_

# Alternative Sources of Energy: Web Quest \*\*Please Turn-In\*\*

**Directions:** Complete the table on your homework page using the following websites or others of your choosing:

# Alternative Energy Website #1: http://www.darvill.clara.net/altenerg/index.htm

# Fuel Cells Website #2: <u>http://www.altenergy.org/renewables/fuel\_cells.html</u>

Helpful Tips!	Alternative	Sources of Energy for North Carolina	**Computer Lab Activity**	Complete the table below
	Name	Description	Pros	Cons
This website is designed for the United	Solar			
Kingdom, but the principles are the same as here in the USA!	Wind			
Pros is another way of saying Advantages	Biofuels	Com	plete o	n
Cons is another way of saying <i>Disadvantages</i>	Fuel Cells	Homew	vork Pa	ge!!
Under <i>Biofuels</i> for Website #1 choose other biofuels as the subcategory	Wave Power			•
Wave Power is the same thing as Tide	Geothermal			
Power	<u> </u>	••••••		

**Directions:** Go to <u>Website #1</u> listed above and select the "Quizzes." And complete the following blanks. You can have the article open while you work on the quizzes as a review. Use the website to check your answers before you record them on this page.

#### **Solar Power Quiz**

Solar power is	, and does not produce any	y when in use
----------------	----------------------------	---------------

If you install solar power at home, it may be \_\_\_\_\_\_ cells to help your electricity bill, or solar \_\_\_\_\_\_ heating.

PV cells are \_\_\_\_\_\_ to make compared to the amount of \_\_\_\_\_\_ they'll produce in their lifetime.

### Wind Power Quiz

Wind power is	, does not need any	and does not produce any	
---------------	---------------------	--------------------------	--

However, you need a lot of \_\_\_\_\_\_\_ to make a large amount of power, and you must put them where the winds are \_\_\_\_\_\_ and \_\_\_\_\_\_.

Wind farms can be \_\_\_\_\_\_ if you live close. Most wind farms in the UK are in \_\_\_\_\_\_ and \_\_\_\_\_\_.

# **Biofuels Quiz**

Region	Tidal %	Wind %	Solar %	Geothermal %	Hydro %
		e #3: <u>http://www</u>			
the battery reach		"o t //	· ··· ·	.,	
	. Record the percer	itage of each region	i in the table below	. TOU are successfu	п when you make
	the world! Go to th	-	•	• ·	
Directioner Cours	the world! Co to the	o following wohet	and come up with	altornative energy	colutions for the
isn't too hard to	throu	gh.			
	e the right type of _		we d	an reach, undernea	ath rock which
	er can occasionally				
<b>•</b>					
poisonous	come up	o too.			
	have to		vn, at others hot w	ater comes up any	way. Sometimes
drive turbines an	d generators, to ma	ke	·		
	comes up out of the			es" into	This can
is	so long as	s we don't take too	much energy out a	nd cool the rocks to	oo much.
	er means getting				
Geothermal Qu					
so we can easily			01	, but we know	when this will be
It will only gener	ate power when the	tide is going	or	hut we know	when this will be
enect on the sun	iounuing area.				
effect on the sur	offshore	, like all und		I. THIS WIII HOL HAVE	
An alternative is	offchara	l like on un	dorwator wind form	This will not have	such a dramatic
d	area. The largest o	ie in the world so i	al is in the Rance e	Stuary, III	·
riual energy is	, ne, ne	to build	and produces	no	However,
Tidal anaray is			and produces	20	However
river	In the UK.				
	where	the tides are stron	g. mere are propos		ioss the
Tidal Power Qu	leal of energy in tide	os. To uso it wo cor	huild a large dam	called a tidal	
from	, which does	not need as much	land.		
Producing biofue	ls from	means less l	and for growing fo	od. Biofuels can als	o be made
		and bioethanol. Biodiesel can be made from the in in			
Biofuels for vehic	cles include	and bio	oethanol. Biodiese	I can be made from	n the in

Region	Tidal %	Wind %	Solar %	Geothermal %	Hydro %
Canada					
USA					
Norway					
France					
India					
Japan					
New Zealand					

Finish Early? Explore more games on Wonderville or work on your Countdown Folder.