

Renewable vs. Non-Renewable Energy Resources Research Assignment

Your task is to select and research two energy resources (one renewable and one non-renewable). You will then make a PowerPoint presentation on your resources. The PowerPoint should consist of a thorough description of each resource by answering the questions below.

You must choose one resource from each category.

Nonrenewable	Renewable
Oil	Hydro (water) power
Coal	Passive Solar
Natural gas	Active Solar
Nuclear	Wind
	Biomass
	Geothermal
	Tidal

Non-renewable Resource

- What is a non-renewable energy resource
- What is the original source of the energy? (Where does it come from/How is it “made” by nature?)
- How is this energy source converted into electricity? (A picture or diagram can be particularly helpful in addressing this question)
- How is heat used to generate electricity?
- State at least two advantages of using this resource.
- State at least two disadvantages of using this resource.
- How can this energy source be managed so that we don’t run out of it?
- Use a graph to display the amount this resource is used in Canada to produce electricity in comparison to other resources
- Use a graph to display how much this resource is used for electricity in Canada to how much the rest of the world uses this resource.
- What do YOU think? Do humans use too much of this resource? Not enough? Or is our usage exactly what you think it should be? Support your answer with details that you discovered as you researched your resources.

Renewable Resource

- What is a renewable energy resource?
- What is the original source of the energy? (Where does it come from/How is it “made” by nature?)
- How is this energy source converted into electricity? (A picture or diagram can be particularly helpful in addressing this question)
- State at least two advantages of using this resource.
- State at least two disadvantages of using this resource.
- Use a graph to display the amount this resource is used in Canada to produce electricity in comparison to other resources
- Use a graph to display how much this resource is used for electricity in Canada to how much the rest of the world uses this resource.
- What do YOU think? Do humans use too much of this resource? Not enough? Or is our usage exactly what you think it should be? Support your answer with details that you discovered as you researched your resources.

MARKING SCHEME

Non-renewable Resource	
Introduction	0 1 2
Origin	0 1 2 3 4
Method	0 1 2 3 4
Advantages	0 1 2 3 4
Disadvantages	0 1 2 3 4
Amount used in Canada graph	0 1 2
Comparison of Canada vs. World Usage graph	0 1 2
Personal Opinion	0 1 2 3 4
Renewable Resource	
Introduction	0 1 2
Origin	0 1 2 3 4
Method	0 1 2 3 4
Advantages	0 1 2 3 4
Disadvantages	0 1 2 3 4
Amount Used in Canada graph	0 1 2
Comparison of Canada vs. World Usage graph	0 1 2
Personal Opinion	0 1 2 3 4
PowerPoint	
Organization	0 1 2 3
Spelling/Grammar	0 1 2
Visual Appeal	0 1 2 3
TOTAL	/60