

Forms of Energy Research Project

This project requires you to research the different types and forms of energy. Then, you will create a booklet or poster over energy using the information you researched. The forms of energy that you must include in your project are also listed below with criteria that must be included for each one. In addition, some websites are listed below that will be great starting places as you begin your research.

Forms of Energy

1. Kinetic Energy
2. Potential Energy
3. Chemical Energy
4. Magnetic Energy
5. Thermal Energy
6. Light Energy
7. Electrical Energy

Information

Your project must contain the following parts for each form of energy listed above.

1. Title your project: Forms and Types of Energy
2. Title each section with the specific form/type of energy
3. Draw picture to represent this form of energy.
4. Write a caption for your picture to explain how it demonstrates this form/type of energy.
5. Define the form/type of energy
6. Write three examples of this form/type of energy (different than the picture you drew)

Sources

http://www.energyeducation.tx.gov/energy/section_1/topics/potential_and_kinetic_energy/

<http://www.physicsclassroom.com/class/energy/Lesson-1/Potential-Energy>

http://www.diffen.com/difference/Kinetic_Energy_vs_Potential_Energy

http://www.enwin.com/kids/electricity/types_of_energy.cfm

http://www.iptv.org/explore/energy/energy_in_depth/sections/energy_work.cfm

<http://www.fplsafetyworld.com/?ver=kkblue&utilid=fplforkids&id=16168>

<http://www.energykids.eu/type-of-energy>

<http://www.eschooltoday.com/energy/kinds-of-energy/all-about-energy.html>

**Forms of Energy Research Poster/Booklet
Grading Criteria/Rubric**

	0-9 points	10-19 points	20-29 points	30-39 points	40 points
Content (40 points)	The project is incomplete and/or no parts of the project are correct.	The project contains very few of the required parts. Details are not prevalent.	The project contains part of the information required. Not all details are present. The project may contain some inaccurate information.	The project mostly contains accurate information. Most of the information required is completed but not all parts of the project are covered.	The project contains accurate information. The information is complete and all parts of the project are covered.
	0-5 points	6-7 points	8-9 points	10 points	
Organization (10 points)	There is no organization to the project, which makes it very difficult to follow.	There is some organization to the project, which makes it hard to follow at times.	Most of the project is organized and easy to follow. There are a few minor errors but do not make it difficult to understand information.	The project is excellently organized and extremely easy to follow. Each section flows smoothly, which makes it very easy to understand.	
	0-5 points	6-7 points	8-9 points	10 points	
Color/Appearance (10 points)	Color is not used on the project. The project does not appear to be quality work by the student and has not been taken care of (i.e., wrinkled, torn, ripped, scribbled on, etc.).	Some color appears on the project. The project demonstrates some effort by the student.	Most of the project appears to be colored. The project demonstrates effort by the student. It appears that the student has taken care of their project and is intact.	The project is extremely appealing to the eye. It is colored appropriately and emphasizes appropriate information with the use of color. The project indicates quality work and great effort by the student. The student takes pride in his or her work.	