

Using the knowledge you gathered from the previous page, show us how you would solve today's energy crisis using hydrogen fuel cell technology

Instructions: Write a Report

TOPIC: SOLVING OUR ENERGY CRISIS WITH FUEL CELLS

How would your team do this?

Start by picking an interest area of your own or select a subject example listed below.

SUBJECT EXAMPLES:

- Come up with an original idea: _____
- Fuel cells in robots - Why?
- How can you apply what you are learning, in robotics, to help your community solve its energy needs?
- Small business fuel cell service/product plan to commercialization
- History of fuel cells; out of histories lessons learned extract and explain what we already know about solving our energy crisis
- Fuel cells as a power source in automobiles, motorcycles, toys etc.
- Redesign your town or city with fuel cells and renewable resources
- Fuel cell green combination system (air, water, wind, land, sun)
- Fuel cell safety in your community
- Fuel cell manufacturing; who makes the best fuel cell and why
- Analysis of replacing existing power sources (gas, oil, coal)
- Creating a original house design using fuel cells; include maintenance and energy consumption study
- Best safe way for transportation, refilling, dispensing of hydrogen for fuel cells (fueling options)
- Show how fuel cells improve our quality of life; can it help prevent global warming?
- What is the best combination when using a fuel cell: Biomass, Geothermal, Hydropower, Natural Gas, Solar, Wind

REPORT REQUIREMENT: Include,

Abstract: Key Findings

Problem and Solutions

Advantages and Disadvantages

Conclusions and Recommendations

Bibliography and References

JUDGING:

● **Presentations** are judged on thought process, organization, originality, grasp of scientific principals, creativity, inventiveness, fresh fun ideas, usefulness and practicality

● **Ask Questions:** You are encouraged to contact fuel cell researchers, industry and government agencies to discuss your project.

● **SEE: HYDROGEN AN FUEL CELL INFORMATION WEB LINKS** to get started

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