

Alternative Fuel Checklist

Rank the best alternative fuel sources using the *Visual Ranking Tool*. Use the Web sites listed after the checklist to find facts about each alternative fuel source. Divide the work between you and your partner but discuss the ranking together.

	Check	Comments or Questions
Create a chart listing the highest and lowest correlation coefficients from the other teams.		
Explain the meaning behind the correlation coefficients. How are they derived?		
Read the comments from other teams. Discuss as a team any new insights gained.		
Reevaluate your ranking. Edit your ranking to reflect your team's current thinking. Add new comments to the factors.		
Create another chart listing the highest to the lowest correlation coefficients. Did they change? Explain.		

Internet Resources

- Drive Clean California
www.driveclean.ca.gov/en/gv/home*
Information on the different types of automobiles that use alternative fuels
- United States Department of Energy
www.fueleconomy.gov/feg/feg2000.htm*
Downloadable fuel guides for the years 2000–2007
- United States Department of Energy
www.eere.energy.gov/afdc/afv/afvehicles.html*
Alternative fuel data center
- United States Department of Energy
www.eere.energy.gov/fleetguide/hevcalc.html*
Clean Cities' HEV Cost Calculator allows fleets to compare the costs, benefits, and emissions of hybrid electric vehicles (HEV) with those of conventional vehicles
- Energy Information Administration
www.eia.doe.gov/fuelrenewable.html*
Data and statistics for alternative fuel vehicles
- National Energy Foundation
www.nef1.org/ftf*

- Information on alternative fuel vehicles
- American Hydrogen Association
www.clean-air.org*
F facts and figures for automobiles fueled by hydrogen
- California Energy Commission
www.energyquest.ca.gov/transportation/electric.html*
A student's guide to alternative fuel vehicles
- National Biodiesel Board
www.biodiesel.org/resources/fuelfactsheets/default.shtm*
Biodiesel fact sheets
- National Energy Foundation
www.nef1.org/ftf/links.html*
An extensive list of Internet resources on alternative fuels
- Drive Clean Across Texas
www.drivecleanacrosstexas.org/for_teachers/grades_9-12*
A collection of lesson plans on air quality and alternative fuels
- National Biodiesel Board
www.biodiesel.org/resources/fuelfactsheets/*
Facts and figures on biodiesel emissions
- All About Hybrid Cars
www.allabouthybridcars.com/alternative-fuel.htm*
Advantages and disadvantages to hybrid automobiles
- Alternative Fuels Data Center
<http://www.fueleconomy.gov/feg/current.shtml>
Information on tax incentives, alternative fuels, and alternative fuel vehicles