Your class has been hired to help your city “go green” by decreasing the amount of CO₂ emissions from public transportation in your community. The community’s objectives are to:

- a) conserve natural resources
- b) reduce the release of CO₂ into the atmosphere
- c) introduce a new technology or alternative fuel that is reliable, safe, and practical

Procedure

1. Start by watching your assigned video clip and taking notes on your topic. Then answer the focus questions listed with the video clip for your team.
2. On a separate piece of paper, list the current fuel resources, fueling infrastructure, and public transportation systems in place for your city.
3. Research your topic using the list of Web sites your teacher provides and any additional resources you find on your own.
4. Prepare a team presentation that demonstrates that the community’s objectives can be met through your research option. Make a chart on your posterboard that includes the following categories:
   - how each fuel is made (or how each new technology works)
   - the environmental impacts, if any, of each alternative fuel or new technology
   - the advantages and disadvantages of using each alternative fuel or new technology
   - the major challenges facing implementation of each alternative fuel or new technology
5. Provide a list of references for the facts you use in your presentation, including the Web sites you use, the name of the person or organization sponsoring the Web site, and (if available) the last time the Web site content was updated.