

# Your City's Car of the Future

Your class has been hired to help your city “go green” by decreasing the amount of CO<sub>2</sub> emissions from public transportation in your community. The community's objectives are to:

- a conserve natural resources
- b reduce the release of CO<sub>2</sub> 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.

Your class will be organized into four teams to examine the different options. Each team will investigate the benefits and drawbacks of one of the four options. After each team has presented its findings, the class will vote on a proposal.

