

**EXPLORE**  
**more**

**DVDquest**

**Explore More: The Future of Energy**

From the Desk of  
the Governor  
*What is the optimal energy mix?*

**View your quest.**

You have been appointed by the governor to head up an energy task force to advise the leadership of your state. Your assignment is to research current and future energy issues and to create a plan to use the best combination of available energy resources. Keep in mind that the resources should be abundant, available, cost effective, and environmentally friendly. As you weigh the advantages and disadvantages of your energy options, keep in mind that your advice to the governor must be based on facts and informed opinions.

**Organize your thoughts.**

Use the graphic organizer on the next page to help you solve your DVDquest. Record your thoughts. Keep track of your evidence. The problem is "messy" but your solution to the DVDquest will be worthwhile.

**Explore more.**

Be sure to search other places on the DVD to find information about energy types, compelling issues, and possible obstacles of the future of energy to include in your advice to the governor.

**Examine the process.**

**Find the problem.**

- What are the current problems? Who does it involve? Where is the problem?
- What is happening? How is it affecting people, places, processes?
- What stands in the way? (individuals, groups, laws, conditions, situations, resources,...)

**Explore possible solutions.**

- What are some possible ways to overcome these problems? Are these possible solutions realistic? Reasonable? Workable? Feasible?
- What seems to be the most appropriate strategy or alternative for solving the problem?
- How would this solution solve the problems? What are the specific details? Is each step logical? Does each step lead to solving the problem?
- What are the likely consequences of putting this solution into place?

**Recommend a solution.**

- What is the best solution to the problem? What solution would I recommend? How would I defend my solution with reasoning and facts?
- What if none of the solutions work? Have I exhausted my possible solutions, and am I still unsatisfied? How can I rephrase, revise, reshape, or reframe my problem?
- Should I repeat this process with my newly reframed problem?

**Get started.**

Think about who the stakeholders are and why they have these ideas. Look for accurate, unbiased information. Think about the important facts and how you will use the information. Begin your quest with these clips...then explore more!

- David Hurd: Task Force Mission and Priority List
- Questions to Consider
- Angela Chen: Evaluating Energy Resources
- Brent Barker: Infrastructure
- Senator Tom Harkin: Challenges for the Future
- Mike Kappus: The Mix
- Senator Tom Harkin: Hydrogen-Infrastructure
- Frank Jeffrey: Fossil Fuels' Cost
- Tony Kovczek: The Mix and Keeping Fossil Fuels in the Mix
- David Elschlager: Hydropower's Future
- Tom Wind: Iowa's Wind Resources and Its Benefits
- Brent Barker: The Mix and Nuclear Power's Role



# DVDquest: Solving a Problem

 Graphic Organizer

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**DIRECTIONS:** Use the space below to record information and thoughts about your DVDquest. Keep in mind that the ideas you record may not make sense at first and may lead you down paths that you will later discard. The problem is "messy" but your solution to the DVDquest will be worthwhile.

**My DVDquest:**

**My Goal(s):**

**Obstacles, barriers, limitations:**

**Reasons why these are obstacles, barriers:**

**These are three possible solutions to the problem:**

1.

2.

3.

**Testing the solutions:**

**Solution #1:**

How would it work? What will it do?

**Solution #2:**

How would it work? What will it do?

**Solution #3:**

How would it work? What will it do?

**My Results:**

This is the best solution, and this is why.