

## Cold, Hard Facts

### **Scenario:**

The debate over global warming focuses attention on the issue of melting glaciers. A major university is proposing a study tour for 5th grade teachers. This tour would enable teachers to travel to a number of glaciers to study, gather evidence and create teaching materials. Since Your travel company wants to win the contract to provide the travel package for the study tour. The Request for Proposals asks that you address at least some of the following questions.

### **Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):**

1. Which glaciers would you place on the tour and why?
2. What equipment should the teachers bring?
3. What amenities will the tour provide?
4. What modes of transportation would you use?
5. Can anything be done to restore glaciers and the environment?
6. What are the different types of glaciers and how are they formed?
7. How many glaciers are there in the world?
8. Are glaciers receding?
9. Is global warming having an impact on glaciers?
10. Are melting glaciers having an impact on global warming?
11. What evidence is there supporting the impact of global warming on glaciers?
12. What is the current impact on our environment?
13. What is the potential impact on our environment?

### **Possible Sources**

Library books, glaciologists, climatologists, videos, encyclopedias, science textbooks  
ERS Portal sources: EBSCO, United Streaming, California Streaming, Brainpop, Associate Press  
Extensive Photo Archive and Marco Polo Science NetLinks <http://www.erslibrary.org>  
Internet websites:

<http://42explore.com/glaciers.htm>

<http://yosemite.epa.gov/oar/globalwarming.nsf/content/index.html>

<http://www.nsidc.org/>

<http://www.nsf.gov/>

<http://www.ncdc.noaa.gov/oa/climate/globalwarming.html>

<http://www.alaskascenes.com/alaskaglaciars.html>

<http://archives.cnn.com/2002/TECH/science/07/18/glacier.melt/index.html>

[http://news.nationalgeographic.com/news/2001/12/1217\\_alaskaglaciars.html](http://news.nationalgeographic.com/news/2001/12/1217_alaskaglaciars.html)

<http://www.pewclimate.org/search/results.cfm>

### **Bibliography**

Be sure to have a printed bibliography to hand to the judges before you begin your presentation. You are encouraged to cite all of your sources including graphics. A simple web tool to organize your bibliography can be found at <http://citationmachine.net/>.