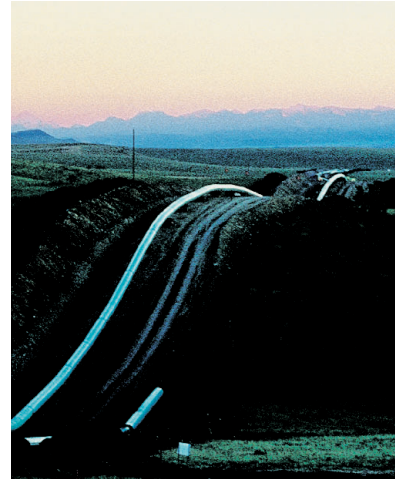


# Mackenzie Gas Project

## SCAVENGER HUNT FOR PIPELINE CONSTRUCTION INFORMATION

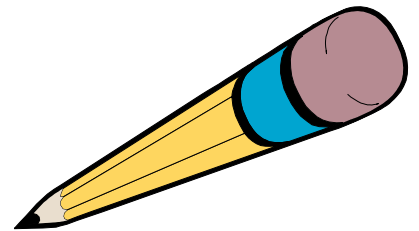


We will soon have a visitor who will be talking to you about the possibility of building a natural gas pipeline down the Mackenzie Valley. To get ready for the visitor, you will be going on a scavenger hunt for information about pipelines.

Use the booklet titled **"CANADA'S PIPELINES"** to find answers to the questions below. On a separate piece of paper.

- a) Write down the page number where you found the answer, and
- b) Write the answer.

Your teacher may ask you to work in pairs.



1. What is the world's longest crude oil pipeline according to the Guinness Book of World Records? Hint: try Section 1.
2. What page tells you how natural gas and oil is pushed through pipelines?
3. What pushes natural gas and oil through pipelines?
4. On average, how fast does natural gas move through pipelines?
5. Find a picture or an illustration of a "smart pig". What does it do?
6. Find at least one way that pipeline companies work to reduce their impact on the environment.
7. Find the illustration that shows how a pipeline is built.
8. Find the page that describes a "right-of-way". What is the right-of-way and how is it used?
9. In what two regions in North America are companies interested in building new, large-scale pipelines in the near future?
10. Bonus question: If all the pipelines in Canada were laid end to end, how many times would they circle the Earth at the equator?

**CLASS DISCUSSION:**

1. What kinds of jobs do you think would be related to planning and constructing a pipeline? What kind of job would you like to have and why?

Here are a few job positions to get you started: engineer, heavy equipment operator, environmental specialist, administrative assistant. What does each one do?

2. What questions would you like to ask our visitor? Possibilities:

- Terms in the booklet you didn't understand?
- How is natural gas different from gasoline?
- How do companies get the natural gas out of the ground?
- What is different when constructing a pipeline in the north compared to the south?
- What will your companies do to protect the environment?
- How will the pipeline cross river or lakes?

