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## SCOUR ...THE GLOBE IN SEARCH OF OIL

### Overview

- In Powerpod groups of four, students conduct research to locate and chart the world's major oil reserves.

### Materials

- SCOUR — *one per Powerpod + transparency*
- Blank overhead transparencies — *one per Powerpod + extras*
- Glue sticks — *one per Powerpod*
- Resource materials (atlases, encyclopedias, and almanacs — electronic or print, geography texts, pre-bookmarked Internet sites) — *enough for students*
- Scissors — *one per Powerpod*
- Transparency markers — *at least one per Powerpod*
- World map (11" x 17") — *one per Powerpod + transparency*

### Procedure

1. Place students with their Powerpods. Refresh the definition of *fossil fuel* and *natural resources*. Petroleum is considered to be both of these. Many nations have petroleum and most need it. (Define *Fossil Fuel* as one derived from decayed plant and animal remains subjected to tremendous heat and pressure over extremely long periods of time.)
2. Display the overhead of SCOUR and explain the **Scour** challenge. Each Powerpod will:
  - a. Identify and rank the top 12 energy-producing nations
  - b. Mark each producer nation by placing 12 separate oil well derricks on their group map
  - c. Document their reasoning by providing bibliographical information
  - d. Write one or two sentences explaining why they chose each nation and ranked it where they did
  - e. Create an overhead that lists their top 12 nations
  - f. Prepare a one to two-minute talk in which they explain/defend their choices
3. Identify for students the resources available. To encourage research efforts and reinforce bibliographic skills, students may only record two countries from each source they use. This means that each Powerpod must use a minimum of six different sources of information. If necessary, adjust this goal based on your resources and the skills of the students. Successful students must coordinate division of labor with good communication skills to arrive at a list of 12 nations.
4. Distribute SCOUR, an 11" x 17" world map, one blank transparency sheet, and at least one marker to each Powerpod. Display the world map transparency and discuss how the students will glue *oil derrick #1* on or near the country that is #1 on their copy of SCOUR, etc. (When a Powerpod successfully completes a country by filling in all of the information and gluing the oil well down, they may feel free to yell, "Oil!")

### Tech Trek

1. Use of online and CD resources provide a tech experience during this activity.
2. Students may record results of their **Scour** research directly on a spreadsheet or computer file.

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Powerpod members: \_\_\_\_\_

After you identify 12 nations that hold large oil reserves, rank them in order beginning with the largest oil producer. Write the name of the country and your research resource.

**Country**

**Bibliographic Information**

	1.		
	2.		
	3.		
	4.		
	5.		
	6.		
	7.		
	8.		
	9.		
	10.		
	11.		
	12.		

Cut out these 12 oil derricks and place them on your map showing petroleum reserves for the producer nations:

