

### QUESTION

What materials are made from petroleum?

### ACTIVITY GOAL AND RULES

The object of *Petroleum Ponder* is for each team to correctly identify as many items as possible that are made from petroleum in their *Petroleum Ponder* box. In a relay fashion, each team member will get the chance to look over the contents of the box and return to “home base” to write down as many items as they can remember. Each team member will proceed to the box in numerical order, however, the pencil or pen must remain at home base, and there is no talking while the game is being played. As soon as the first player arrives at the box, they may “ponder” the contents of the box without touching the items or stopping. This player returns to home base, tags the next player, and begins to write down as many items that he/she can remember from the box that were made from petroleum. The second player returns from the box, tags the next player and begins to record. Players waiting their turn should review the list silently and carefully to be sure they look for new items when it becomes their turn to “ponder.” Once all players have walked past the box, they may add or cross off items on their list. The team with the most correctly identified items will be the winner.

At least one item in the box is NOT made from petroleum. If these items appear on the team’s final list, five points will be deducted. One point will be awarded for each correctly identified item. No item can receive more than one point if listed more than once. For example, if pencil is on the list, it will not be awarded 2 points for pencil AND writing utensil; only one point will be awarded.

### MATERIALS (FOR EACH GROUP)

- Sheet of paper
- Pen or pencil
- Petroleum Ponder* box

### PREPARATION

1. Gather supplies and assemble *Petroleum Ponder* boxes from the list of supplies on the next page. Assemble an appropriate number of boxes to correspond with the number of student teams you will have. Make sure to include **at least** one item **not** made from petroleum.
2. Divide students into teams. Pre-assign each group member a number, if desired.
3. Set up the room with home bases that are separate or at a small distance from each *Petroleum Ponder* box.

### PROCEDURE

1. Send student groups to their home base. Remind students not to go near the box until instructions have been given.
2. Each team will need a sheet of paper and one pen or pencil. Instruct teams to put their name on their paper.
3. Assign each participant a number if they were not pre-assigned.
4. Go over the goal and the rules for the activity, and when ready, begin team play.
5. At the close of the game, identify and discuss all of the items contained in the box and have student teams record their scores.

# Petroleum Ponder

## SUGGESTIONS FOR PETROLEUM PONDER BOX INGREDIENTS

See pages 46–47 in *Oil and Natural Gas Book* for examples of products.

- |  |  |   |                                       |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Aluminum Foil*                | <input type="checkbox"/> Deodorant                 | <input type="checkbox"/> Insect repellent | <input type="checkbox"/> Phone        |
| <input type="checkbox"/> Anything plastic              | <input type="checkbox"/> Dice                      | <input type="checkbox"/> Lipstick         | <input type="checkbox"/> Roof shingle |
| <input type="checkbox"/> Aspirin or vitamin bottle     | <input type="checkbox"/> Electrical tape           | <input type="checkbox"/> Makeup           | <input type="checkbox"/> Sandwich bag |
| <input type="checkbox"/> Balloons                      | <input type="checkbox"/> Fake nails                | <input type="checkbox"/> Masking tape     | <input type="checkbox"/> Scotch tape  |
| <input type="checkbox"/> Camera                        | <input type="checkbox"/> Fertilizer                | <input type="checkbox"/> Novelty candy    | <input type="checkbox"/> Shampoo      |
| <input type="checkbox"/> CD                            | <input type="checkbox"/> Fishing lures             | <input type="checkbox"/> Nylon            | <input type="checkbox"/> Shoes        |
| <input type="checkbox"/> Chap Stick®                   | <input type="checkbox"/> Football/sports equipment | <input type="checkbox"/> Paint            | <input type="checkbox"/> Shoe polish  |
| <input type="checkbox"/> Chunk of asphalt              | <input type="checkbox"/> Garbage bag               | <input type="checkbox"/> Paint brush      | <input type="checkbox"/> Sunglasses   |
| <input type="checkbox"/> Clothing (polyester or nylon) | <input type="checkbox"/> Glue                      | <input type="checkbox"/> Plastic cup      | <input type="checkbox"/> Toothbrush   |
| <input type="checkbox"/> Comb                          | <input type="checkbox"/> Golf balls                | <input type="checkbox"/> Pen              | <input type="checkbox"/> Toothpaste   |
| <input type="checkbox"/> Crayon                        | <input type="checkbox"/> Golf pencils*             | <input type="checkbox"/> Penny*           | <input type="checkbox"/> Toy cars     |
|  | <input type="checkbox"/> Hand lotion               | <input type="checkbox"/> Petroleum jelly  | <input type="checkbox"/> Umbrella     |
|  |  | <input type="checkbox"/> Perfume          | <input type="checkbox"/> Wax paper    |

\*Items NOT made from petroleum.

