



## Science Fair Project : Soda Separation

### Question

How do you separate natural gas from oil?

### Set Up Materials

You will need: A glass container, colored vegetable oil and an unopened can of clear, carbonated beverage.

### Steps

1. Pour  $\frac{1}{2}$  cup of vegetable oil into the glass container.
2. Predict what might happen when the carbonated beverage is poured into the oil.
3. Open the can of carbonated beverage and pour a small amount into the glass container.
4. Observe closely and record results. Discuss your findings.

### Think About It

- What did you observe?
- Why do you think some bubbles are “trapped” in the oil?
- How can you compare this experiment to the function of an oil field?

### Experiment Again?

Could you design a separator to remove the natural gas from the oil in your system of vegetable oil and carbonated liquid?

*\*\*All experiments should be conducted with an adult.\*\**