Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_

It’s A Gas

Student Handout 1

WONDER WHY…

Have you ever thought about how natural gas is formed: Where would you go to find natural gas?

MATERIALS

* 20g of a protein source such as tuna, raw ground meat or 1 hard-boiled egg with shell
* 2 lettuce leaves or equal amount of shredded lettuce (about 1/3 cup)
* Clear plastic bottle (8oz or 16oz)
* 1 balloon
* Graduated Cylinder
* 50g sand
* 25ml aquarium or pond water
* Masking tape
* Balance scale/weights

**PROCEDURE**

1. Measure 20g of a protein source such as canned tuna, raw ground meat or chopped boiled egg with the shell and put it in the bottle. Tear the lettuce leaves into small pieces and put them in the bottle.

2. Use the balance scale to measure 50g sand. Carefully pour the sand into the bottles so that the sand covers the organic substance and lettuce. Do not shake the bottle.

3. Measure 25ml of water. **Slowly** pour the water into the bottle. Try to make the water run down the inside of the bottle instead of pouring the water directly onto the sand.

4. Stretch the opening of the balloon over the opening of the bottle. Seal with masking tape.

5. Carefully move the bottles to a warm place (preferably outside as contents could produce a strong odor). Let the bottle stay in place for several days.

1. Predict what will happen over the next few days