

Supplemental Activities

Under the Sea & The Tale of Little Big Fuel

LET'S DRILL FOR OIL AND GAS

MATERIALS

One White Cake Mix	One Chocolate Cake Mix
One Yellow Cake Mix	One Package of M&Ms
Blue Icing and Green Sprinkles	Cupcake Pans
Cupcake Papers (one for each student)	Clear Plastic Straws (one for each student)

PROCEDURE

Make cupcakes in three or more layers, hiding one M&M between two of the layers. Bake the cupcakes and allow to cool. Decorate the cupcakes with blue icing (representing water) and green sprinkles (representing land/plants).

Give each student a cupcake and a clear plastic straw. Use the straw to drill for oil (M&M), slowly pushing the straw straight down into the cupcake. When the straw is removed, there will be a core sample of the layers. How many students struck oil? Compare core samples. Slice the cupcakes in half to compare core samples to layers. Eat and enjoy!

OPTION: Make one multi-layer deep-dish cake with pockets of oil (M&Ms) scattered throughout. Have each student take one or two core samples to look for fuel.

Discuss how the earth is formed in layers, how fossil fuels were formed, how they are found, etc. (See Primary Petroleum, Natural Gas, Propane, and Coal Infosheets.)

I'M MADE FROM OIL AND GAS

MATERIALS

Grab Bag of 20-30 Objects Made From Oil and Gas (plastic objects, vinyl objects, cosmetics, clothes, etc.)

PROCEDURE

Pour bag out onto table. Give students a few minutes to look at the objects. Put the objects away and discuss the many different things that are made from oil and gas. Have students look around the classroom and make a class list of all the things they see that are made from oil and gas. At the end of the discussion, have each student write down as many of the objects in the grab bag as he/she can remember.