

ACTIVITY

ICE-CREAM SUNDAE OIL MODEL

This is a delicious food-based model of how oil collects under the ground, and how it can be extracted by drilling.

WHAT YOU NEED

- A drinking glass
- Sliced bread
- Chocolate syrup
- Milk
- Meringue
- Ice Cream
- Straws



WHAT TO DO

1. Pour the chocolate syrup into the bottom of the glass, to a depth of about 2cm.
2. Thin the syrup slightly by adding some milk, otherwise it will be too thick to extract!
3. Cut out two discs of sliced bread. Make sure they are slightly larger than the diameter of the glass.
4. Press the two discs together firmly to make one thin, impermeable disc.
5. Wedge the bread disc inside the glass above the chocolate syrup level.
6. Build extra layers on top using meringue, then ice cream.
7. Drill through the layers using the straw, and break through the bread disc.
8. Extract the chocolate by sucking it up through the straw.

WHY?

Oil formed over millions of years from decomposed plants and animals. It collects in vast underground reservoirs. The oil seeps through permeable rocks then becomes trapped under impermeable ones. We can extract the oil by drilling into the rock and through the impermeable layer trapping it.

