



UNDER PRESSURE

WATER HAS A WEIGHT AND PRESSURE. HAVE YOU EVER FELT THIS PRESSURE IN YOUR EARS WHEN YOU DIVE UNDER WATER? WATER WEIGHS ABOUT 8.3 POUNDS PER GALLON AND EXERTS PRESSURE ON THINGS. THE DEEPER THE WATER, THE MORE PRESSURE THERE IS. TRY THIS EXPERIMENT TO PROVE IT! WITH YOUR CAPTAIN'S HELP, MAKE THREE SMALL, EQUAL SIZED HOLES WITH A NAIL OR SCISSORS ALONG AN EMPTY TWO LITER PLASTIC BOTTLE. START WITH THE FIRST HOLE AT THE TOP, PLACE THE SECOND NEAR THE MIDDLE AND HAVE THE LAST HOLE NEAR THE BOTTOM OF THE BOTTLE. BE CAREFUL NOT TO HURT YOURSELF SWABBY! COVER THE HOLES WITH YOUR FINGERS AND FILL THE BOTTLE WITH WATER. QUICKLY TAKE YOUR FINGERS OFF THE HOLES (BETTER DO THIS OVER A SINK OR IN THE TUB!). WHICH HOLE SQUIRTS WATER THE FARTHEST? WHY DO YOU THINK THIS HAPPENS? HOW DOES A WATER TOWER USE THIS PRINCIPLE?



WHAT DID THE WHALE SAY
WHEN HE READ *MOBY DICK*?
IT'S SO SAD, I JUST MAY BLUBBER!

