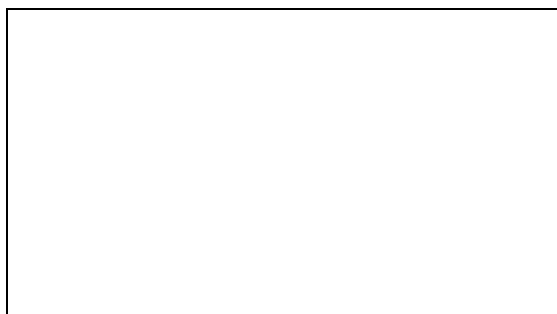


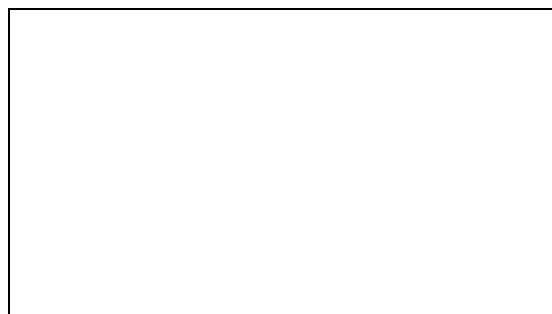
Science With Bubbles

To do this experiment, fill a cup 3/4 full with water. Pour a few tablespoons of dish detergent in the cup (blue Dawn works best). Gently stir. Now, to make the loop, take a piece of thin, straight wire, and form it into a circle (or square, or triangle, or...)

What shape did you make your loop into 1st? Draw what the bubble looks like.



What shape did you make your loop into 2nd? Draw what the bubble looks like.



What happens if you change the shape of your loop? _____

Try this! Make your loop large enough so your finger will fit through with plenty of room to spare. What do you think will happen if you stick your finger through the soap film when you dip your loop? _____

Now, dip your loop into the bubble solution, and with a dry finger, try putting your finger through the loop. What happened? _____

Was your hypothesis correct? _____ Now, what do you think will happen if you do this again, but this time dip your finger into the bubble solution before sticking it through the loop? _____

Try it! Get your finger wet with bubble solution first, then stick it through the soap film in your loop. What happened? _____

Was your hypothesis correct this time? _____