After touching eggs do not touch your face or mouth unless you first wash your hands!!

Eggs, Oil, and Water Bottle Experiment

Emulsification Experiment

½ cup Oil
½ cup Water
___ eggs  Write in the number of eggs you will be using in the space and on the bottle.
1.5 Liter Clear Bottle with cap
1 Timer
1 Funnel

Procedure

1. Make a hypothesis: What will happen to the oil when you drop it on the water? Will it sink or float or mix with the water? Can you think of any reasons that might explain the reaction?

2. Using a funnel, measure and pour the water into the bottle, then the oil.

3. Now place the top on the container and tightly seal it.

4. Once the mixture settles, draw a picture of what you see in your bottle on the back of this page.

5. Shake the container as hard as you can for 30 seconds.

6. What do you see? Draw a picture of what you see in your bottle on the back of this page.

7. Now place the container on the counter for 30 seconds.

8. What do you see? Draw a picture of what you see on the back of this page.
Is your hypothesis right? _____________

9. Crack the number of eggs you selected into a bowl and mix them with a fork. Make sure to break up the yolk.

10. Now using the funnel, pour the egg mixture into the bottle.
11. Do you notice any similarities between this experiment and the brownies? 
*Hint: look at your ingredients, stirring and shaking are very similar processes.*

12. Write an explanation describing these similarities. Use your observations of the brownies and your observations from this experiment to help you.