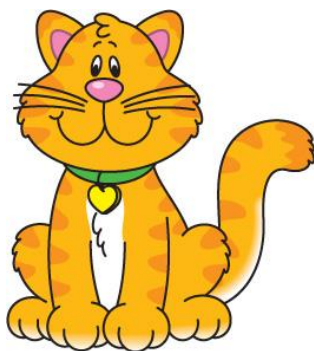


The Cat's Meow – Observing Results

Purpose: To observe and report the results of an experiment.

Procedure:

1. Fill a petri dish $\frac{1}{2}$ full with your choice of milk: whole, low-fat, non-fat, or half and half.
2. Place 1 drop of food coloring at 12, 3, 6, and 9 – one color at each spot.
3. Place 1 drop of dish soap between any 2 colors.
4. Carefully observe what happens.
 - Draw before and after pictures
 - Describe in words what happened
5. Try putting a drop of alcohol into the milk/soap mixture.
 - Observe and record your observations as in #4.
6. Repeat using another kind of milk.
7. Compare and contrast the effect of soap on different types of milk.
8. Report should include:
 - 2 drawings before soap; 2 after soap; 2 after alcohol
 - 4 descriptions: 2 after soap; 2 after alcohol
9. What is your conclusion?
10. List any sources of error.



The Cat's Meow – Observing Results

Lab Conclusion Questions

1. What was the effect when soap was added to the milk and dye solution?
2. What was the effect when alcohol was added to the milk, dye and soap solution?
3. Compare and contrast the effect of the soap on the different kinds milk you used.