

VanCleave Experiment #4

Questions:

1. What are the steps of the scientific method?
2. What is our hypothesis?
3. What are the materials?
4. What is the procedure?
5. What happened? Can you still see the light through the wax paper? Does it look different? How? Is some light still getting through?
6. What would happen if we changed the wax paper to a different material? (ex. glass, foil, paper, etc.)
7. What changes (in light, visibility) do you notice outside on a cloudy day vs. a clear day? A foggy day?
8. Based on what we discovered from our experiment (that light waves bend and bounce off the wax paper, similar to the way sunlight bends and bounces off thick clouds), why do you think it's darker or harder to see on a cloudy/foggy day?
9. Venus is the brightest of all the planets, it even shines brighter than any of the star we can see with our eyes. Based on what we know about the clouds around Venus and how sunlight reacts to the clouds, why do you think Venus is so bright?