SCIENTIFIC LAB REPORT

Experiment 1.1
Density in Nature

Objective or Purpose
What is the problem you are investigating? What do you want to find out?

Hypothesis
Write an educated guess about what will happen. Use the if/then format.

Materials
What supplies did you use to complete this experiment? List them.

Procedure
In your own words, write a brief paragraph explaining what you did.

Data and Observations

Write your observations (what you see, hear, smell, or feel), record any measurements, and/or draw any applicable drawings/diagrams in the data table below.

DATA TABLE

After the water, syrup, and vegetable oil were added to the glass, it looked like this: (Draw the glass, showing the layers that formed. Label the layers.)

After the rock, grape, ice cube, and cork were added, it looked like this: (Draw the glass, showing the layers that formed and where the rock, ice cube, grape, and cork are. Label the layers and the items).

Results

What did you find out by completing this experiment? was your hypothesis accurate?

Discussion and Conclusions

write a good paragraph explaining why you think you got the results that you did.

SCIENTIFIC LAB REPORT

Experiment 1.2
Atomic Motion

Objective or Purpose
What is the problem you are investigating? what do you want to find out?

Hypothesis
Write an educated guess about what will happen. use the if/then format.

Materials
What supplies did you use to complete this experiment? List them.

Procedure
In your own words, write a brief paragraph explaining what you did.

Data and Observations

Write your observations (what you see, hear, smell, or feel), record any measurements, and/or draw any applicable drawings/diagrams in the data table below.

DATA TABLE

After the drop of food coloring was added, the water and drop in each jar looked like this: (Draw what the jars of water with the drops of food coloring looked like. Make sure to label each jar accurately.)

Results

What did you find out by completing this experiment? Was your hypothesis accurate?

Discussion and Conclusions

write a good paragraph explaining why you think you got the results that you did.

SCIENTIFIC LAB REPORT

Experiment 1.3
A Chemical Reaction

Objective or Purpose
What is the problem you are investigating? What do you want to find out?

Hypothesis
Write an educated guess about what will happen. use the if/then format.

Materials
What supplies did you use to complete this experiment? List them.

Procedure
In your own words, write a brief paragraph explaining what you did.

Data and Observations

Write your observations (what you see, hear, smell, or feel), record any measurements, and/or draw any applicable drawings/diagrams in the data table below.

DATA TABLE

Describe (and draw) what you see when the baking soda falls into the vinegar.

Results

What did you find out by completing this experiment? Was your hypothesis accurate?

Discussion and Conclusions

write a good paragraph explaining why you think you got the results that you did.

SCIENTIFIC LAB REPORT

"Experiment" 1.4
Mapping the Paths of the Planets

Do you wonder why the author put "Experiment" 1.4 in quotation marks? That is because it really isn't an experiment. What this "experiment" is asking you to do is to build a model. Scientists use models to help them understand things that are too big, too small, or too complicated to work with. Fill out this lab report as you model the path of the planets around the sun.

Objective or Purpose
What is the problem you are investigating? What do you want to find out?

Hypothesis
Write an educated guess about what will happen. Use the if/then format.

Materials
What supplies did you use to complete this experiment? List them.

Procedure
In your own words, write a brief paragraph explaining what you did.

Data and Observations

Write your observations (what you see, hear, smell, or feel), record any measurements, and/or draw any applicable drawings/diagrams in the data table below.

DATA TABLE

Take a picture of the two ellipses you drew and paste it below.

Results

What did you find out by completing this experiment?

Discussion and Conclusions

write a good paragraph explaining why you think you got the results that you did.