

Is it Science?

Challenge Science Class

Learning Target: I am able to write and explain a definition for the word “science” based on the work I have done during this activity and from my own knowledge.

What does the learning target expect me I have to have understanding about? What do I have to have as an end product, to help show I understand the concept?

What do I think (or the class thinks) will need to be shown to prove I have gained information from the activity to help me reach the target?

What do I think (or the class thinks) will need to be shown to prove I have used my own knowledge to apply to reach the target?

Information Collection (Knowledge)

Science is a subject that takes on different definitions based on how the scientist looks at what they are asked to observe or experiment on.

Science and the definition of it seems to be driven by three concepts these are:

- 1)
- 2)
- 3)

Observation Lab One The Funky Glasses

Bulb One: I see a pattern of colors that start with Red and ends with Purple/Violet Color. The bulb seems to produce a very clear or focused amount of light. The light is difficult to look at directly as it hurts my eyes. The bulb puts off a great deal of heat, so much so that I feel that it may burn if I would touch it for too long.

Bulb Two: The pattern of colors that I see once again seems to start with a red color and ending in a violet color. In between the colors of orange, yellow, green, blue, and purple are present. The light from this bulb appears to be more "out of focus" as the colors seem to be blurred. Comparison of the amount of heat from bulb one feels that the bulb is colder than the first bulb.

Bulb Three: The pattern of light once again in bulb three seems to start with the color red, this bulb however it appears that several of the colors have been removed from the colors in the orange and yellow stripes. This bulb like bulb two appears to be "out of focus" and not as clear as bulb one. Bulb three is cool like bulb two.

Bulb Four: The pattern of this bulb is very different from the others; all the colors are missing except for the orange or possibly yellow. Like bulb one this is a very in focus the light is very clear. Bulb Four is very cool and can be held between my fingers and does not burn it is very cool.

Observation Lab Two Fortune Telling Fish

From the teachers story I got the following information. The fish have been in history placed in the hands of people. The fish will respond in different ways, in history it was supposed to be telling the future, however responding to my future is not the answer. It may be something in my hand?

The fish is red in color about 3 inches long, it is very light about the weight of a small paper clip. The fish has some printing on it.

When place in my hand over the first few second the fish began to bend its tail in the air. After about 4 more seconds the head of the fish began to curl up as well. After a short period of about 4 more seconds the fish was curled in a tight ball in my hand.

After placing the fish back on the table it over the period of about 1 minute was back in its original shape.

Observation Lab Three I am Melting

Aluminum: Silver, Very Shiny, Flexible can be bent, Solid

Copper: Green, Shiny, and Solid

Water: Clear, Liquid

When we mixed the Copper into the water it turned the water a light blue color, it had no noticeable smell. The copper powder appeared to dissolve into the water.

When we mixed aluminum with the copper the water/copper mix soon began to bubble. Over the period of a few seconds the aluminum began to change colors, the color was a dark brown. The water as well had changed, as it was no longer clear, it have a very milky light brown color. Noticeable gas was being produced that may have been steam. After about 3minutes the aluminum had gone and all that was left was a thick brown paste floating in the water.

Observation Lab Four
Chemical Sunset

Observation Lab Five
Elephant Toothpaste