

Summative Practice

Follow along with Mr. Ower and complete the boxes below.

Part 1: Prediction

Observe the model Mr. Ower has in the front of the room. A clear box is filled with room temperature water. Two beakers, one with hot water and one with cold water, will be placed into the box. Mr. Ower will add a few drops of blue dye near the cold water and a few drops of red dye near the cold water.

Question: What you do believe will happen to the dye in the water? Why?

Scoring criteria: 5 points are given to students who write a reasonable prediction that is logical and refers to concepts learned in our Weather and Climate unit. No points are lost for a prediction that is not correct.

Part 2: Observation

Observe the model in action as Mr. Ower drops the dyes into the container.

Draw a diagram of what is occurring. Use colors (if you have them), arrows, and labels to help you show what is occurring.

Write a short paragraph that describes what is occurring. No explanation of the cause is needed.

Scoring criteria: 5 points are given to students who have a diagram that reflects what occurred and a short paragraph that accurately describes what is occurring.

Part 3: Explain

Explain what you observed (i.e. why did the dye do what it did?).

Scoring criteria: 5 points are given to students who thoroughly explain what happened by using knowledge learned through the Weather and Climate Unit.