

Bio-131-55

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Lab Performed on: 9/15/2022

Report on the Scientific Laboratory

Introduction: This laboratory exercise had two purposes. First, it provided us with the opportunity to work through the steps of the scientific method. Second, it introduced us to collaborative learning. This type of learning allowed us to share our work and ideas, and cooperate to produce this final report.

Experimental Procedure

Step 1: Making Observations

Similar: Both test tubes A and B have a clear color. The test tubes are exactly the same. Both test tube A and B turn blue when shaken

Dissimilar: Tube A has less substance than test tube B. Test tube A had an orange residue on the bottom external side of the tube. One test tube is labelled A. The other test tube is labelled B. Test tube B returns to a clear color after being shaken and put back into a resting position.

Tests:

1. Shake test tubes
2. Watch test tubes

Results:

Test tubes A and B turn blue
Tube B reverts back to being transparent faster

Step 2: Forming the hypothesis

Both substances in test tube A and B are the same.

Alternate Hypotheses Proposed by The Class:

1. Test tube A and B are the same
2. Test tube A and B are different

Step 3: Testing the hypothesis/data and observations