How Do You Know When a Chemical Reaction Has Occurred?

Summary

With this simple Inquiry lab students will be introduced to chemical reactions.

Time Frame

1 class periods of 15 minutes each

Group Size

Pairs

Materials

- student page

(attached)

dH2O, 0.1M Ammonia

Universal Indicator

Instructional Procedures

Hook activity: Have the students brain storm what are different types of evidence of chemical reactions.

Have students conduct lab investigation.

Assessment Plan

Scoring Rubric or answer key:

- 1. The color change is blue to red, then orange, then yellow, then green. The temp. change is ~2 degrees
- 2. Yes, a gas was produced. The contents foamed
- 3. Each of the characteristics of the reaction is evidence of a chemical change, therefore, a chemical change is observed.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

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