

Title: A Chemical Change

Problem: How do physical and chemical properties of a substance differ before *and* after a chemical change?

Hypothesis:

Procedure:

1. Break wooden splints into small pieces.
2. Place broken pieces into test tube.
3. Stopper the test tube using the one hole stopper with the tubing in it.
4. Adjust the test tube Clamp so the tube is pointing at a 45 degree angle Away from everyone.
5. Light and adjust the Bunsen burner so that you have a 2cm blue inner cone as the flame.
6. Lower the test tube clamp so that the end of the test tube intersects the blue inner cone.
7. Heat for ten minutes.
8. During this time, observe and record any changes in the wood. Include pictures and descriptions of what you see, smell, etc.
9. Turn off burner and get a 30cm length of paper towel.
10. AFTER the test tube is cool, carefully unstopper the tube and empty the contents onto the paper towel.
11. Observe and record what the material is like now.
12. Observe and record the difference under the microscope.
13. Throw out wood and paper towel in trash.

Observations:

Conclusion: