Student Page

Title: How do you know when a chemical reaction has occurred?

Introduction: What evidence is there that a chemical reaction occurs? How would you know if chemistry was going on in the container next to you?

Predictio	n/Hypothesis	
	[state hypothesis]	,
Then by changing		and measuring
-	[INDEPENDENT VARIABLE]	_
		, I predict that
	[DEPENDENT VARIABLE]	
Because	[Prediction of results. Be specific. Do not simply state that there will be an e	ffect]
	[Scientific phenomenon to support your prediction. Cite evidence from your text	xtbook.]

Procedures:

- 1. Measure 10ml of distilled water in a 25ml graduated cylinder, and pour it into a 100ml beaker. Using a pipette, add one drop of 0.1 M ammonia to the water.
- 2. Stir 15 drops of universal indicator into the solution with a stirring rod. Observe the solution's color. Measure its temperature with a thermometer.
- 3. Drop a piece of effervescent tablet into the solution. Observe what happens. Record your observations, including any temperature change.

Data/Observations:

Analysis

- 1. Describe and changes in the color or temperature of the solution.
- 2. Was a gas produced? If so, what did you observe to support this?
- 3. Did a physical or chemical change occur? Explain.

Conclusion: