



Chemical Change: Student Activity Sheet

Name: _____

Date: _____

Part 1: Exploration, Iron and Water

Date	Time	Observations	
		No Water	Water

Part 2: Steel and Other Liquids

Predict what will happen when steel wool is placed in:

- Vinegar _____

- Clear Soda _____

- Vegetable Oil _____

Date	Time	Observations			
		Vinegar	Clear Soda	Vegetable Oil	Water

Compare the results to your prediction for each of the liquids.

- Vinegar _____

- Clear Soda _____

- Vegetable Oil _____

Part 3: Chemical and Physical Changes

For each cup, determine whether you think you have evidence in your observations for a physical change, chemical change, or both. Support your claims with evidence from your observations.

Liquid	Physical Change	Chemical Change	Evidence to Support
Vinegar	Y N	Y N	
Clear Soda	Y N	Y N	
Vegetable Oil	Y N	Y N	
Water	Y N	Y N	

You cut steel wool into 8 pieces. Is this an example of a physical or chemical change? Explain your answer.
