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OUTSTANDING JOB
GRIFFIN. 😊

Activity 10B : Chemical Reactions
vs. Physical Changes

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Block B

Objective/

Introduction: In this activity, we observed a number of changes and learned to classify them as chemical reactions or physical changes.

Materials: See Science Probe 10 Text, p. 215

Procedure: See Science Probe 10 Text, pp. 215-216, Steps 1-10

Observations/Data:

Station	Material Name	Physical Properties	Observations During / After Reaction
1	Copper Wire	Shiny, red, soft	Caught fire, orange-red color, turned dull and black
1	Wire Solder	Dull, silver, hard	Melted into silver liquid substance, turned shiny, silver
1	Magnesium Wire	Dull, silver, soft,	Turned a very bright color, wire turned crusty with black and white soot on it after
1	Nichrome Wire	Shiny, silver, soft	Burned, turned into a gold color
2	Steel Wool	Shiny, gray, soft	Heated and glowed red, soft, blueish-black color after
3	Magnesium in HCl	Mg- dull, silver, soft HCl- Clear liquid	Bubbles and gas created, 'Pop' heard when exposed to fire
4	Magnesium in H ₂ O	Mg- dull, silver, soft H ₂ O- Clear liquid	Tiny bubbles formed around the Mg, nothing amazing happened
4	Paper in H ₂ O	Paper- Dry, white H ₂ O- Clear liquid	Paper turned wet and soft
5	Manganese dioxide in hydrogen peroxide	MnO ₂ - Black soot H ₂ O ₂ - Clear liquid	Bubbles formed, water turned black, oxygen gas ignited a glowing piece of wood.

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