Physical Properties and Chemical Properties of Elements and Compounds

A. As per Dr. Pete's demonstration you will analyze the chemical reactivity of the following elements with water, acid, and acid/heat combined. When a reaction occurs and a gas is released, you will test the gas to determine if the gas is hydrogen or oxygen. For no reaction use NR. For reactivity use +, ++, +++, to rate reactivity.

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/
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₂ O.
ons.
rops . Use
+++
e rxn.
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Jse +++
e rxn.
or gas.
gas.
write
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B. As per Dr. Pete's demonstration.

Na ₂ CO ₃	MnO ₄	MnO_2	K ₂ CrO ₄	
Transfer a stick of	Transfer 5 drops to	Transfer a stick of	Transfer 5 drops to	
powder to a clean	clean tube	powder to a clean	clean tube	
tube and add 20		tube and add 20		
drops water		drops water		
				Observe
				substance.
				Add H ₂ O. Write
				observations. Use
				NR for no rxn. Use
				+, ++, +++ for rxn.
				Add H ₂ O ₂ . Write
				observations. Use
				NR for no rxn. Use
				+, ++, +++ for rxn.
				Test any gases for
				l l
				hydrogen and
				oxygen. Label
				result gas + or -
				Add 6M HCL to
				Na ₂ CO ₃ . DO NOT
				ADD ACID to the
				other compounds.