	Name:	Date:		Hour:	
	Guest Teache	er To-Do List – Chemica	l Reactior	<u>1S</u>	
	Part 1: E	Bill Nye, Chemical Reactions (	)	Checkmark when finished	
	you watch the video, complete u answer what is ACTUALLY hap	, -		evidence to help	
1.	Chemicals react to form	chemicals.			
2.	Examples include	, your stomach growling, an	d candles		
3.	Oxygen will make iron	·			
4.	4. Car engines and motorcycle engines are controlled by chemical				
5.	5. Copper metals burn to make the color				
6.	5. When a chemical reaction takes in more energy than it gives off it becomes				
	How is baking a cake an examp				
	Part 2: Ch	nemical Reactions Web Quest (	)		
ta: ha	ing your assigned laptop and th sks. These tasks will help you to ppening when Mg reacts with H ice level 1 to your table group i	collect further evidence to answ ICl. <b>This is an individual activity</b>	ver what is Au <b>,, but you m</b> a	CTUALLY ny speak at a	
1.	Observing Chemical Reactions				
	sed on what you observed in th substances?	e video, what impact do you be	elieve chemic	al reactions have	

<u>Chemical reactions</u> are processes in which matter *chemically changes* because substances react to form new substances.

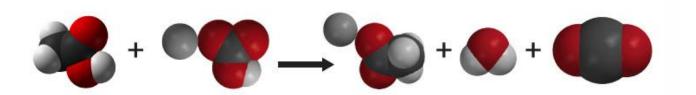
## 2. Chemical vs. Physical Changes

Defend the following claims with evidence from the video and support the claim with your reasoning:

Claim	Evidence	Reasoning
Boiling water is an example of a physical change.		
Food that we eat chemically changes in the digestive system.		

## 3. Adult Supervision and Assistance Required

Below you will see molecular models representing the reaction that took place:



How do the models show that matter chemically changes during a chemical reaction?

Are substances that cause a reaction to occur still present after the reaction? How do you know?

Using evidence from your research on chemical reactions, explain either in words or a model what is ACTUALLY happening when Mg reacts with HCl.