Name _			
Date			
Period			

The Rusty Patched Bumble Bee

Change in RPB System: Temperature		
Data Source: National Oceanic and Atmospheri	c Administration https://www.ncdc.noaa.gov/cag	g/statewide/time-series
What patterns do you notice in the data?	Add the change in the RPB system to your RPB ecosystem model. Using your model, identify what components and interactions would be impacted by this change.	
Could this change be a cause of the	RPB population decline, or is it just correlated? V	What evidence supports your claim?

Name			
Date			
Period			

The Rusty Patched Bumble Bee

Change in RPB System: Precipitation			
Data Source: National Oceanic and Atmospheri	c Administration https://www.ncdc.noaa.gov/cag	g/statewide/time-series	
What patterns do you notice in the data?	Add the change in the RPB system to your RPB ecosystem model. Using your model, identify what components and interactions would be impacted by this change.		
Could this change be a cause of the RPB population decline, or is it just correlated? What evidence supports your claim?			

Date				
Period The Busty Betched Bumble Bee				
Change in DDD Cartery Destricted	The Rusty Patched Bumble Bee			
Change in RPB System: Pesticides				
Data Source: United States Geological Survey https://water.usgs.gov/nawqa/pnsp/usage/ma	ps/show_map.php?year=2016↦=IMIDACLOP	PRID&hilo=L&disp=Imidacloprid		
	cides are all considered pesticides. All three cates gainst insects; fungicides protect against fungus,			
l ·	which is the most widely used insecticide in the in all parts of the plant as it grows and develops.	· · · · · · · · · · · · · · · · · · ·		
What patterns do you notice in the data?	Add the change in the RPB system to your RPB ecosystem model.	Describe how this change would affect the RPB.		
	Using your model, identify what components and interactions would be impacted by this change.			
Could this change be a cause of the RPB population decline, or is it just correlated? What evidence supports your claim?				

Name _____

Name	 		
Date			
Period			

The Rusty Patched Bumble Bee

Change in RPB System: Land Use			
Data Source: Early 1800's: https://drive.google.com/file/d/1z8NBR4Uz1LfD2waEM_NF2tB61vFjn78Z/view?usp=sharing 2016: https://drive.google.com/file/d/1QbmeHE1W-EclQYRp9gpnitYkG vFoKPe/view?usp=sharing			
What patterns do you notice in the data?	Add the change in the RPB system to your RPB ecosystem model. Using your model, identify what components and interactions would be impacted by this change.	Describe how this change would affect the RPB.	
Could this change be a cause of the	RPB population decline, or is it just correlated? \	What evidence supports your claim?	

Parent/Guardian Interview			

Name

Name		
Date		
Period		
	The Ru	usty Patched Bumble Bee

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