Whiz Bang Guide Assignment #3

Reasoning:	Insecticide	Evidence from unit activities:	Explain how evidence&reasoning are connected:	
There is a trait in the population that makes it more likely for a bed bug to survive and reproduce.	Invade	Scientist Experiments X XX X	The petri dishes show that there is a trait that allows bed bugs to survive Invade spray because	
	Whiz Bang	Whiz Bang Insecticide enters the bed bug and tricks the nerves into sending a signal Bed Bug Brain Whiz Bang Insecticide Whiz Bang Insecticide The signal never stops! The muscles twitch forever!	The Whiz Bang Ad shows that there is a trait that allows bed bugs to survive Whiz Bang spray because	

The trait is heritable .	Invade	Bed Bugs that Survive L2951 Protein Bed Bugs that Die L2951 Protein	We know that the resistance trait is heritable because it is caused by the structure of the protein, L2951. Different shapes in the protein come from the bed bug's genetic code, which they get from:	
	Whiz Bang	We made a prediction that since the different protein shapes caused resistance from Invade, they are probably going to cause resistance from Whiz Bang.	What could cause a new protein shape to occur in the population?	
The distribution of the trait throughout bed bug populations changes.	Invade	be in Bed Bugs at ns in 1960 Fe in Bed Bugs at 1s in 2010 Fe in	The map shows that resistance to Invade has become common at most of the tested locations.	
	Whiz Bang	None - We will need to look at Invade's pattern and make a prediction for Terry.	According to the data collected on Invade, I expect the distribution of the resistance trait for Whiz Bang will:	