Genetic Variation Worksheet	Name
Date	Period
Below are scenarios in which a population's gene pool is affected. Remember, we discussed 3 ways in which a population's gene pool can be affected (recall in text). After reading the scenario, write which of the 3 ways is demonstrated and explain using <u>2 complete sentences</u> why you chose this answer.	
Scenario #1 In a population of spiders, there is a make venom. In a particular spider, there was a p genetic code. This protein variation caused the sp prey. This genetic variation was passed down to o amount of time shortened to eat its prey.	rotein variation due to a change in the ider's venom to be stronger to kill its
Event Causing Genetic Variation in the Gene Po	ool:
Explaination:	
Scenario #2 In a population of pigeons, there are genotypes for iridescent feathers and non iridescent feathers. Over time, the females of the population would prefer mates with iridescent feathers 75% of the time. Eventually, the phenotype of non iridescent feathers has decreased dramatically.	
Event Causing Genetic Variation in the Gene Po	ool:
Explaination:	
Scenario #3 In a population of tropical fish, there are two types of genotypes that predict if the fish to survive better in cooler water. Industry has created a pipeline that goes from the plant to the habitat of this fish. In the pipeline was a cold water byproduct from cooling a machine. Since the water has been added to the habitat, those with the recessive genotype have ended up dead.	
Event Causing Genetic Variation in the Gene Po	ool:
Explaination:	