AP Biology 034 – Mechanisms that Increase Genetic Variation Video Review Sheet

www.bozemanscience.com/034-mechanisms-that-increase-genetic-variation

Α.		roduction: Charles the II of Spain: what happened	I in his pedigree (to cause his physical problems etc)?
	2.	Variation is:	
	3.	 Two main ways (each then containing three ways) to maintain genetic variation: a. Prokaryotes: 	
		b. Eukaryotes:	
B.		intaining Variation in Prokaryotes: Transformation: a. Experiment by	
		b. Other bacteria can	_ the DNA from another bacterium to pass traits
	2.	Transduction: using a vector as in a: _ to another.	to carry DNA from one bacterium
	3.	Conjugation: Transferring a ring of aux to another	iliary DNA, a fertility from one bacterium
C.		intaining Variation in Eukaryotes: Crossing-over: during	, swapping genes which gives us
	2.	Random	determines what happens to the
	3.	Random	