## AP Biology 029 – Mendelian Genetics Video Review Sheet

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A. Introduction 1. What did Mendel work with?	
2. What is the P Cross?	
3. What is the F1 cross?	
4. Describe the incorrect idea of "Blending"?	
5. The F1 was a "hybrid" – what does that mean?	
B. Diagram the first Punnett square that he created below and explain how white flower coul from two purple flowers:	d come
C. Mendel's Laws: a. Law of Segregation: like a flip. It is a of those two	0
alleles. Random	
b. Independent Assortment: Traits on different chromosomes don'teac Sometimes things do travel together, but that is because those two genes are four same:	
<ul><li>D. Pause the video at the Sample Problems and try and work them out.</li><li>1. Coin flip:</li><li>2. Heterozygous means:</li></ul>	
Homozygous means:	
3. What is an organism's genotype? What is an organism's phenotype?	
4. What is the probability of homozygous recessive (rr)?	
5. Why is there a greater chance of green seeds in problem 5 than wrinkled seeds (rr) in above?	problem 4
6. Two Punnett squares because you need to multiply the tog	ether.
E. Disease: Would you want to know?	