

Cornell Notes

Questions:	Notes: <u>Key Points</u>	<u>Information</u>																				
<p>• What information is needed to conduct a Punnett square?</p>	<p>Punnett Square</p>	<p>- diagram used to predict probability of traits from parent → offspring</p> <p>- Need to know the genotype of parents</p> <p>- NOT a guarantee of anything just prediction of traits</p> <p>- Each offspring has an exact chance of getting a trait</p>																				
	<p>Monohybrid Punnett Square</p>	<p>Parental cross: <math>P_1 Tt \times P_2 Tt</math></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td><math>P_1</math></td> <td>T</td> <td>t</td> <td></td> </tr> <tr> <td><math>P_2</math></td> <td>t</td> <td>Tt</td> <td>tt</td> <td rowspan="2">] offspring</td> </tr> <tr> <td></td> <td>T</td> <td>Tt</td> <td>tt</td> </tr> </table> <p>offspring genotype:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td><math>Tt</math></td> <td><math>tt</math></td> </tr> <tr> <td><math>\frac{2}{4} = \frac{1}{2}</math></td> <td><math>\frac{2}{4} = \frac{1}{2}</math></td> </tr> <tr> <td><math>= 50\%</math></td> <td><math>= 50\%</math></td> </tr> </table>		$P_1$	T	t		$P_2$	t	Tt	tt	] offspring		T	Tt	tt	$Tt$	$tt$	$\frac{2}{4} = \frac{1}{2}$	$\frac{2}{4} = \frac{1}{2}$	$= 50\%$	$= 50\%$
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Summary:

