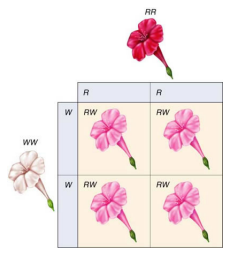

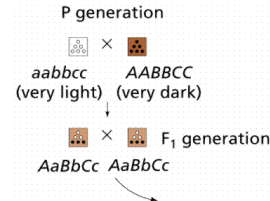


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Cornell Notes Topic: Heredity Notes #3 Patterns of Inheritance

Concepts / Images	Notes / Sketches																		
<p>What is genetics?</p> <p>What is fertilization?</p> <p>Are most traits a result of two-alleles?</p> <div style="text-align: center; margin: 10px 0;">  </div> <div style="text-align: center; margin: 10px 0;">  <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="font-size: 8px;">Phenotype</td> <td style="font-size: 8px;">WHITE</td> <td style="font-size: 8px;">BLACK</td> <td style="font-size: 8px;">SPECKLED</td> </tr> <tr> <td style="font-size: 8px;">Genotype</td> <td style="font-size: 8px;">WW</td> <td style="font-size: 8px;">BB</td> <td style="font-size: 8px;">BW</td> </tr> </table> </div> <div style="margin: 10px auto; border: 1px solid black; padding: 5px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="font-size: 10px;">Genotype</th> <th style="font-size: 10px;">Phenotype</th> </tr> </thead> <tbody> <tr> <td style="font-size: 12px;"><b>ii</b></td> <td style="font-size: 12px;"><b>Type O</b></td> </tr> <tr> <td style="font-size: 12px;"><b>I<sup>A</sup>I<sup>A</sup> or I<sup>A</sup>i</b></td> <td style="font-size: 12px;"><b>Type A</b></td> </tr> <tr> <td style="font-size: 12px;"><b>I<sup>B</sup>I<sup>B</sup> or I<sup>B</sup>i</b></td> <td style="font-size: 12px;"><b>Type B</b></td> </tr> <tr> <td style="font-size: 12px;"><b>I<sup>A</sup>I<sup>B</sup></b></td> <td style="font-size: 12px;"><b>Type AB</b></td> </tr> </tbody> </table> </div>	Phenotype	WHITE	BLACK	SPECKLED	Genotype	WW	BB	BW	Genotype	Phenotype	<b>ii</b>	<b>Type O</b>	<b>I<sup>A</sup>I<sup>A</sup> or I<sup>A</sup>i</b>	<b>Type A</b>	<b>I<sup>B</sup>I<sup>B</sup> or I<sup>B</sup>i</b>	<b>Type B</b>	<b>I<sup>A</sup>I<sup>B</sup></b>	<b>Type AB</b>	<p><b>Genetics</b> is the study of _____.</p> <p>A form of _____ reproduction when an e_____ and s_____ cell join to form a new _____, such as in Mendel's pea plants.</p> <p>Most traits are the result of _____ patterns of _____.</p> <div style="margin: 10px 0;"> <p><b>Incomplete Dominance:</b> when _____ allele is only _____ dominant.              Ex: Red (_____) and White (_____) snapdragon produce a _____ offspring (_____).</p> <div style="border: 1px solid black; width: 150px; height: 100px; margin: 5px auto;"></div> </div> <div style="margin: 10px 0;"> <p><b>Codominance:</b> both _____ for a trait are expressed _____.              EX: a black hen F<sup>B</sup> (_____ feathers) and a white hen F<sup>W</sup> (_____ feathers) make...</p> <div style="border: 1px solid black; width: 150px; height: 100px; margin: 5px auto;"></div> </div> <p><b>Multiple Alleles:</b> _____ or more _____ determine the _____. EX:</p> <div style="margin: 10px 0;"> <p><b>Polygenic Inheritance:</b> The inheritance of traits that are controlled by _____ or _____ genes. Ex: _____</p> <div style="text-align: right; margin-right: 50px;">  </div> </div> <p><b>Inherited traits</b> are passed on by _____ <b>acquired traits</b> are _____.</p> <p><b>EX:</b></p> <p>The _____ can also influence the way our g_____ are e_____. EX:</p>
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<p>What are Inherited and Acquired Traits?</p>	<p>The _____ can also influence the way our g_____ are e_____. EX:</p>																		