

# \* Pattern and Evidence Chart \*

QUESTION	CLAIM	EVIDENCE FROM MY EXPERIENCE	EVIDENCE FROM HUMAN PEDIGREES	EVIDENCE FROM PLANTS
Can offspring get instructions for the variation of a trait from either parent?	Offspring can get instructions for a trait from either parent.	Example: My mom has blue eyes and dad has brown. My brother has blue eyes and I have brown.	A1 3+4 (p. 31) A2 10, 11, 13+14 (p. 32) B1 2, 4, 5 (p. 33)	No evidence
Do ALL offspring from the same parents inherit identical variations of traits?	Sometimes offspring inherit identical traits and sometimes they don't.	There are 3 kids in our family and we all have different colored hair. Two of us have brown eyes + one has green.	A1 3, 4+5 A2 9, 10, 11 13+14 B1 2, 3+5 B2 9, 10, 11 13+14	In seeds C+F (p. 48) when a p an a n/p were crossed all offspring were purple (c) when those purple offspring were crossed the F2 gen was mixed
Can offspring show a variation of a trait that neither parent shows?	Offspring can show a variation of a trait that neither parent shows	my parents both have brown hair mine is red.	A1 : 5 A2 : 9 B1 : 5 B2 : 9	In F2 (F) The cross of 2 purple plants produced n/p offspring

QUESTION	CLAIM	EVIDENCE FROM MY EXPERIENCE	EVIDENCE FROM HUMAN PEDIGREES	EVIDENCE FROM PLANTS
	<p>Certain combinations of parents always have offspring that look like them.</p>	<p>my grandparents on both sides have brown eyes, my parents + brown eyes my brother + I have brown eyes</p>	<p>Two non-taster parents always produce non-taster children</p> <hr/> <p>Two non-tongue rollers parent always produce non-tongue rolling children</p>	<p>In cases B + E nlp parents always produced nlp offspring</p>
<p>If parents have different variations of a trait does it seem that one is more likely to be passed on?</p>	<p>When parents have different variations of a trait one is more likely to be passed on.</p>	<p>My mom has blue eyes and my dad has brown. All siblings have brown eyes.</p>	<p>In the pedigrees tasting seems to be passed on all the time when parents do not have same variation of trait</p>	<p>In F<sup>C+</sup> non-purple and purple parents always gave us more purple offspring</p>