NI=	_	Doto	Daviad
Name	e	Date	Period
	<b>PUNNETT SQUARE</b>	POSTER I	PROJECT
The fo	ollowing is a list of genetic traits found	in human beings:	
	<ol> <li>Long eyelashes (L) is dominant</li> <li>Separate eyebrows (B) is dominant</li> <li>Dimples (D) is dominant to no c</li> <li>Thick lips (TT), medium lips (Tt dominance.</li> <li>Large ears (E) is dominant to sr</li> <li>Curly hair (HH), straight hair (h dominance.</li> </ol>	nant to connected edimples (d). t), and thin lips (tt) mall ears (e).	eyebrows (b).  exhibit incomplete
A mar	n has the following characteristics:		
	<ul> <li>a. heterozygous long eyelashes</li> <li>b. heterozygous eyebrows</li> <li>c. homozygous dimples</li> <li>d. thin lips</li> <li>e. heterozygous large ears</li> <li>f. wavy hair</li> </ul>		
His wi	ife has the following characteristics:		
	<ul> <li>a. heterozygous long eyelashes</li> <li>b. heterozygous eyebrows</li> <li>c. no dimples</li> <li>d. thick lips</li> <li>e. heterozygous large ears</li> <li>f. wavy hair</li> </ul>		
1.	What is the man's genotype?		
2.	What is the woman's genotype?		
3.	Determine all possible genotypes for t HINT: There are 16 different sperm c		ells.

Determine all possible genotypes for the woman's egg cells. 4. HINT: There are 16 different egg cells.

- Using a Punnett Square, determine the % of phenotypes for their children. 5. HINT: There are 24 different possible phenotypes.
- Sketch and color a drawing of all 24 possible offspring using the attached sheet 6. of paper.

PHENOTYPE = /	PHENOTYPE = /	PHENOTYPE = /	PHENOTYPE = /
PUENOTYPE	DUE VOTVOS	DUE VOTVOE	DUENOT/OF /
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Name	Date	Period
PUNNETT S	SQUARE POST	ER PROJECT
PARENTAL GENOTYPES:		
• MAN'S GENOTYPE =		
• WOMAN'S GENOTYPE	=	
GAMETE GENOTYPES:		
16 SPERM CEL	LS	16 EGG CELLS
1.	1	
2.	2	
3.	3	
4.	4	
5	5	
6.	6	
7.	7. <u></u>	
8.	8	
9.	9.	
10.	10	
11.	11	
12.	12	
13.	13	
14.	14	

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Date	Period	
	Date	Date Period

## **PUNNETT SQUARE POSTER PROJECT**

## **OFFSPRING PHENOTYPES**:

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