

Face Lab Data Sheet

Parents Names: _____ and _____

Child's Name: _____ Sex: Male / Female

Trait #	Trait	Gene from MOTHER	Gene from FATHER	Genotype	Phenotype
1	Face Shape (Rr)				
2	Chin Shape (Vv)				
3	Chin Shape (Rr)				
4	Cleft Chin (Aa)				
5	Skin Color (Aa)(Bb)(Cc)				
6	Hair Type (Cc)				
7	Widow's Peak (Ww)				
8	Eyebrows / Color (Hh)				
9	Eyebrows / Thickness (Bb)				
10	Eyebrows / Placement (Nn)				
11	Eye Color (Aa) (Bb)				
12	Eyes / Distance apart (Ee)				
13	Eyes / Size (Ee)				
14	Eyes / Shape (Aa)				
15	Eyes / Slantedness (Hh)				
16	Eyelashes (Ll)				
17	Mouth Size (Mm)				
18	Lips (Ll)				
19	Lips / Protruding (Hh)				
20	Dimples (Dd)				
21	Nose / Size (Nn)				
22	Nose / Shape (Rr)				
23	Nostril / Shape (Rr)				
24	Earlobe Attachment (Ff)				
25	Earpoint (Dd)				
26	Earpits (Pp)				
27	Ears / Hairy (Hh)				
28	Freckles / Cheeks (Ff)				
29	Freckles / Forehead (Ff)				

The following concepts can be explained and illustrated by using this activity:

1. Each parents contributes one half of each child's genetic make-up.
2. Genotype and phenotype
3. Incomplete dominance
4. Mendelian ratios
5. Principles of unit characters, dominance, segregation, random assortment, and probability.
6. Polygenic inheritance
7. Sex-limited trait
8. Epistasis
9. Gene frequency
10. Chi-square analysis