

Baby Genes Worksheet

I. The Parents

Trait	Father Genotype	Father Phenotype	Mother Genotype	Mother Phenotype
Blood type				
Rh factor				
Color blindness				
Tongue rolling				
Dimples				
Earlobes				
Hair color				
Height				
Hair texture				
Eye color				
Longest toe				
Widow's peak				

II. First Child

Trait	Father's Gene (Sperm)	Mother's Gene (Egg)	Child #1 Genotype	Child #1 Phenotype
Blood type				
Rh factor				
Color blindness				
Tongue rolling				
Dimples				
Earlobes				
Hair color				
Height				
Hair texture				
Eye color				
Longest toe				
Widow's peak				

Baby Genes Worksheet (Con't)

III. Second Child

Trait	Father's Gene (Sperm)	Mother's Gene (Egg)	Child #1 Genotype	Child #1 Phenotype
Blood type				
Rh factor				
Color blindness				
Tongue rolling				
Dimples				
Earlobes				
Hair color				
Height				
Hair texture				
Eye color				
Longest toe				
Widow's peak				

IV. Analysis Questions

1. Was child #1 male or female? Explain how you know.
2. Are child #1 and child #2 the same sex or different sexes? Explain the probability that two children in a row will be the same sex.
3. How many genotypes are identical in the two children?
How many genotypes are different in the two children?
How many phenotypes are identical in the two children?
How many phenotypes are different in the two children?
Explain why the genotype and phenotype numbers are different.
4. Does either child have a trait that neither parent had? Explain how this could happen.
5. Do both children have the same blood type? Does either child have a blood type not like either parent? Explain how this could happen.
6. Use the back of this worksheet or other paper and colored pencils to draw a sketch of the two children.