

Sickle Cell Inheritance

NAME: _____

Glossary

- **Sickle cell disease:** a genetic disease
- **Sickle trait:** a genotype with one sickle and one normal gene. People with sickle trait are immune to malaria.
- **Normal:** a genotype that does not have any potential for passing on a sickle gene
- **Allele:** a gene from one parent. One gene from each parent combined make the child have a complete set of genes.
- **Dominant:** a trait that only needs one copy of that gene in order to display
- **Recessive:** a trait that needs two copies of that gene in order to display
- **Inheritance:** getting traits from your parents
- **Homozygous:** the allele for the same gene came from both parents for the child
- **Heterozygous:** alleles for different genes came from each parent for the child

Hypothesis:

Materials:

Methods/Procedure:

Data Collection

Baby number	Gene from Mother	Gene from Father	Result
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
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21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

Data Analysis

	Sickle Cell Anemia	Sickle trait	Normal
Number			
Out of...			
Fraction			
Percent			
% deviation from expected			

Discussion of Results
