**Simple Genetics Review**

1. A man who is heterozygous for cleft chin marries a woman with no cleft chin. What are the phenotypes of their offspring? Draw the Punnett Square.

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2. Make the key for cleft chin and no cleft chin.

3. What is the genotype of the man in question #1?

4. What is the genotype of the woman in question #1?

5. A woman is a carrier for cystic fibrosis. She marries a man who is also a carrier for cystic fibrosis. What percentage of their offspring will have cystic fibrosis?

6. What is the genotype of the woman in question #5?

7. What is the genotype of the man in question #5?

8. Hitchhiker’s thumb is dominant over no hitchhiker’s thumb. Make a key.

9. Write the genotype for a homozygous recessive individual using your key from question #8.

10. Write the genotype for a heterozygous individual using your key from question #8.