**Introduction To Population Genetics – Key**

1. **A) Phenotypes: Roller and Non-Roller**

**B) Genotypes :UU, Uu, and uu**

**C) Alleles : "U" form and "u" form**

1. **A) 17/20 could roll their tongue - 85% of population can roll their tongue –Rollers.**

**B) 3/20 could not roll their tongue - 15% are non-rollers**

1. **A) 7/20 are UU = 35%**

**B) 10/20 are Uu = 50%**

**C) 3/20 are uu = 15%**

1. **2 X 20 = 40 Alleles in this sample of people**
2. **24/40 alleles in this sample are "U" = 60%**

**B) 16/40 alleles in this sample are "u" = 40%**