**DNA Gene Mutations**

**Notes**

1. **Point mutation**
   - Change in a single base pair in DNA.
   - Total # of letters same.

2. **Frameshift mutation**
   - A single base is added or deleted from DNA - shifts the reading of codons.
   - Total # of letters changes from original sequence.

**Examples**
- Achondroplasia
- Muscular dystrophy
- Sickle cell anemia
- Cystic fibrosis
- Crohn's disease