**Crossing Over**

**Question**: You are made from the genes of your mother and father. So are your siblings. Why don’t you (necessarily) look the same?

**Answer**:

**How does it work?**

**During Prophase I:**

1. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pair up
2. The chromosomes \_\_\_\_\_\_\_\_\_\_\_\_\_ over each other and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ some pieces
3. The chromosomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ again, now with a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of genes than it had before.