**DNA Replication**

One function of DNA is to make copies of itself. This is called **replication:**

1. DNA strand “unzips” at the hydrogen bonds using enzyme called DNA polymerase.
2. Complimentary bases bond to each side.
3. Sugars (deoxyribose) attach to opposite ends of base pairs.
4. Phosphate groups are inserted between sugars.

When complete, there are two identical daughter strands of DNA. Each strand has half of its DNA from the parent strand and the other half newly created. This type of copying is called **semi conservative replication.**