

Name \_\_\_\_\_ Period \_\_\_\_\_

### DNA Replication Simulation

**Materials:** Packet with 7 shapes, a zipper

**Directions:** *You and a partner will use your notes from last week on DNA replication and play out the sequence of DNA replication with your group.*

**Procedure**

1. Make a **KEY** telling what shapes designate what protein/enzyme
  2. Draw the Symbol and name each protein
- Vocabulary:** Helicase, SSB's(Single stranded Binding Proteins), Ligase, Primase=RNA Polymerase, RNase H, Sliding Clamp, DNA Strand, DNA Polymerase
3. Describe the function of each protein enzyme
  4. Run through the Replication with your partner(s) without mistakes, then call me over

Symbol	Name of Protein	Function of Protein	Group Person Responsible for Explaining
1. Zipper	Deoxyribonucleic Acid (Nucleic Acid)	Copies, stores and transmits information from generation to generation	
2			
3			
4			
5			
6			
7			
8			