

## Part A

Using the bag provided, you will go through the process of a cell passing the G1 checkpoint and entering S Phase.

Fill out what each component of the bag represents before continuing the activity

### What does each component represent?



Parental Strand of DNA  
(Zipper is Helicase)



Daughter Strand  
(leading strand)



daughter strand (lagging strand)



okazaki fragments



primer (leading strand)



Binding Proteins  
(keep strands apart)



DNA Polymerase



RNA Primase