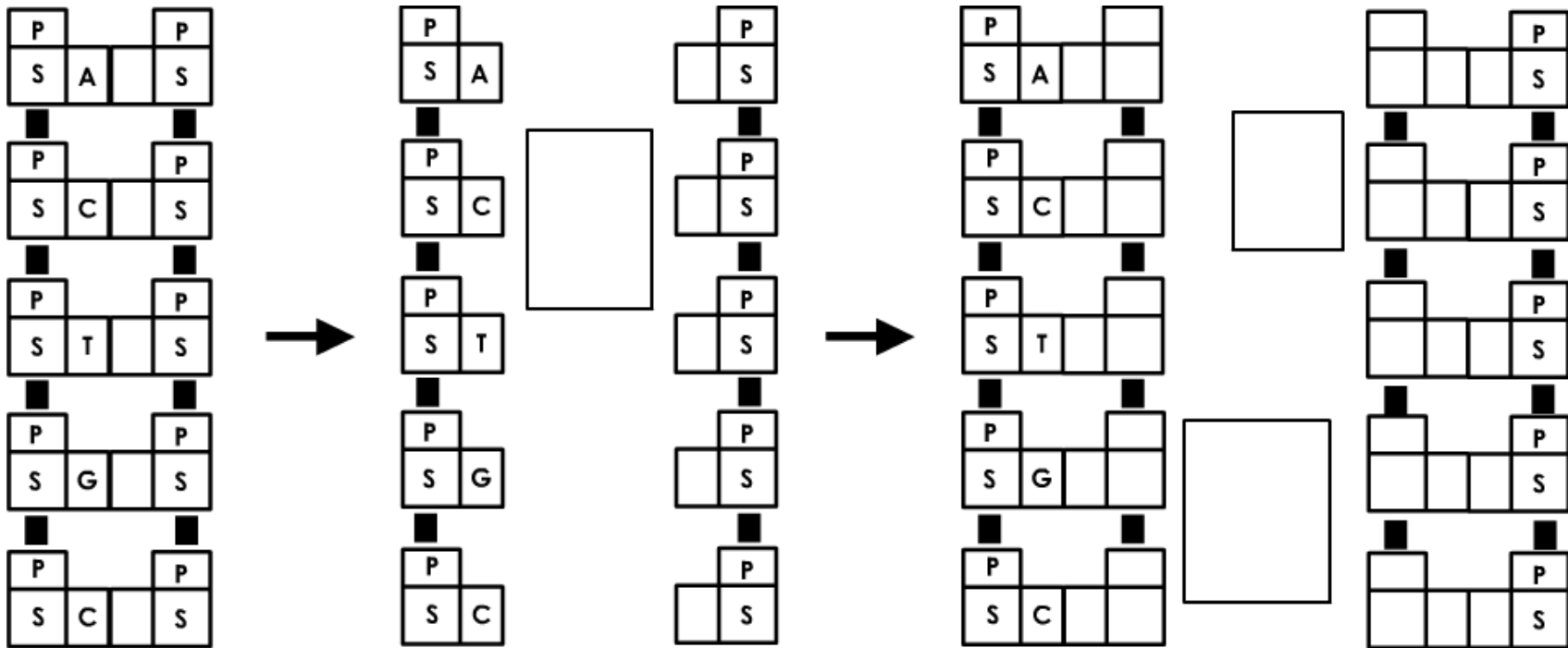


DRAG-AND-DROP ACTIVITY (WORKSHEET: PART B)

As you perform the Drag-and-Drop activity, complete this worksheet.



Name: _____

DNA REPLICATION

TUTORIAL (WORKSHEET: PART A)

As you read the text and watch the animations, complete this worksheet

STEP 1: “_____ enzyme” breaks the _____ bonds between the _____ on opposite strands and separates the DNA molecule into two halves. This leaves both halves with unpaired _____ and sets the stage for construction of two _____ DNA molecules.

STEP 2: “_____ enzyme” attaches new _____ nucleotides to the unpaired _____ on each separated strand following the rule of “_____”. For every A (_____) that it encounters, it attaches a T (_____) and for every G (_____), it attaches a C (_____).

STEP 3: “_____ enzyme” creates a bond between the _____ of one newly added nucleotide and the _____ of another. This results in a continuous _____ backbone and now two _____ DNA molecules (or _____) remain.