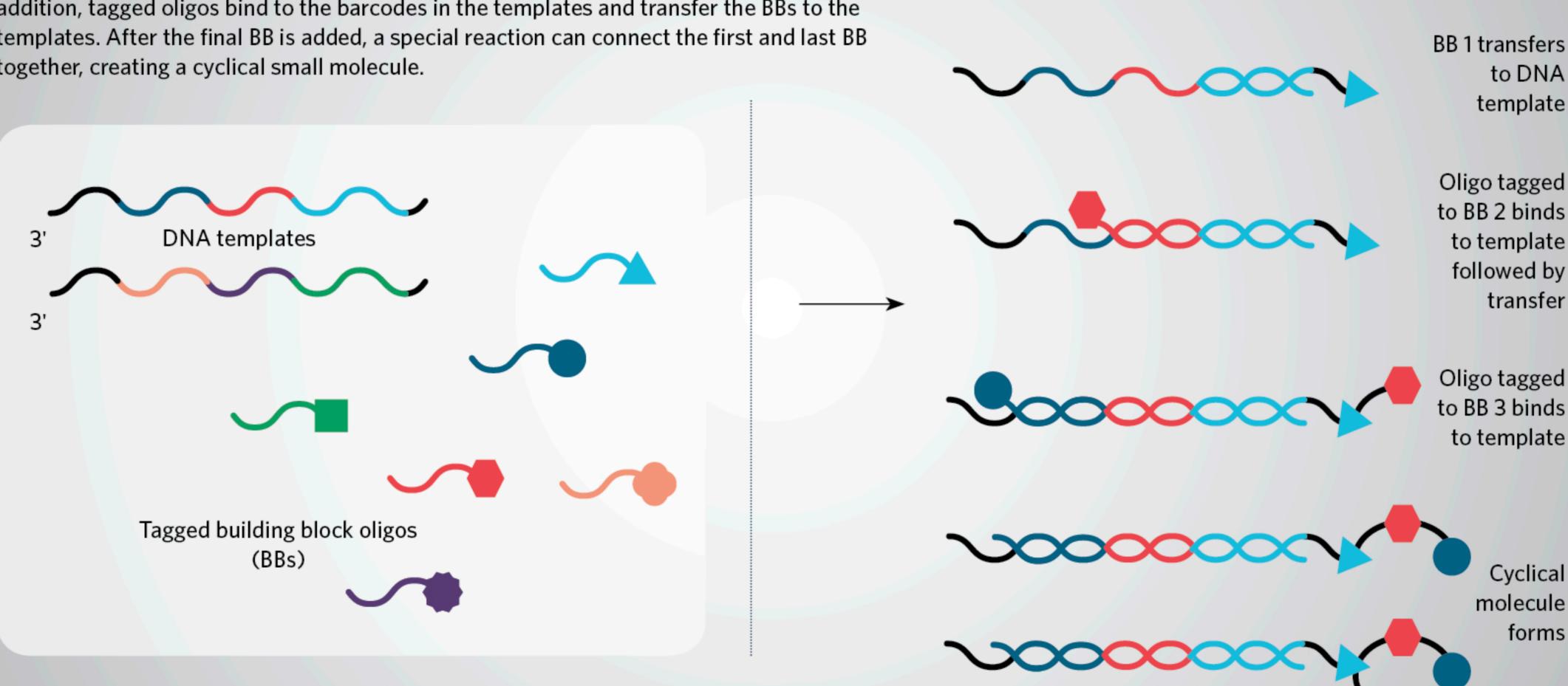
## **ONE-POT SYNTHESIS**

ALL TOGETHER NOW: The templates for the small molecules get mixed together and the tagged BB oligos are added to the templates all in one reaction container. For each BB addition, tagged oligos bind to the barcodes in the templates and transfer the BBs to the templates. After the final BB is added, a special reaction can connect the first and last BB together, creating a cyclical small molecule.



Oligo tagged to BB 1 binds to template

> to DNA template

to BB 2 binds to template followed by transfer

Oligo tagged to BB 3 binds to template

