Input DNA

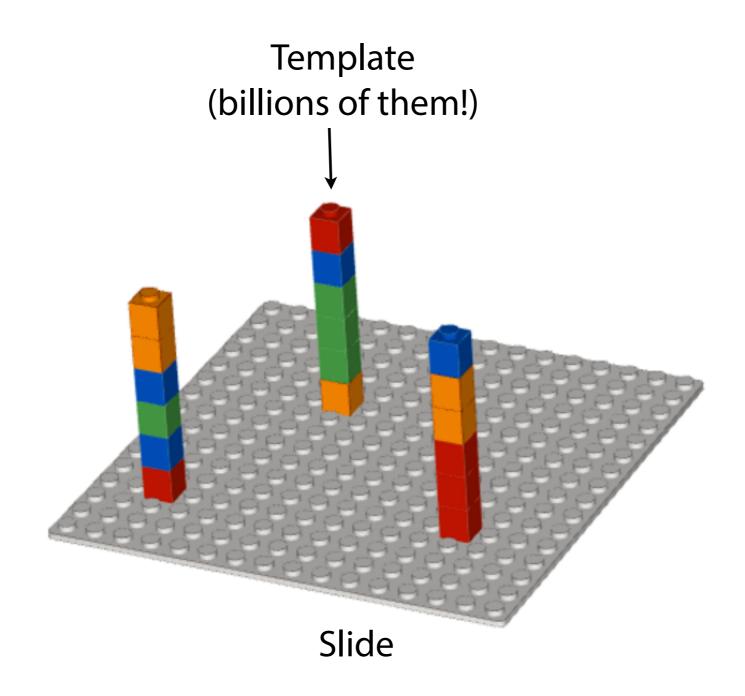
CCATAGTATATCTCGGCTCTAGGCCCTCATTTTTT
CCATAGTATATCTCGGCTCTAGGCCCTCATTTTTT
CCATAGTATATCTCGGCTCTAGGCCCTCATTTTTT
CCATAGTATATCTCGGCTCTAGGCCCTCATTTTTT

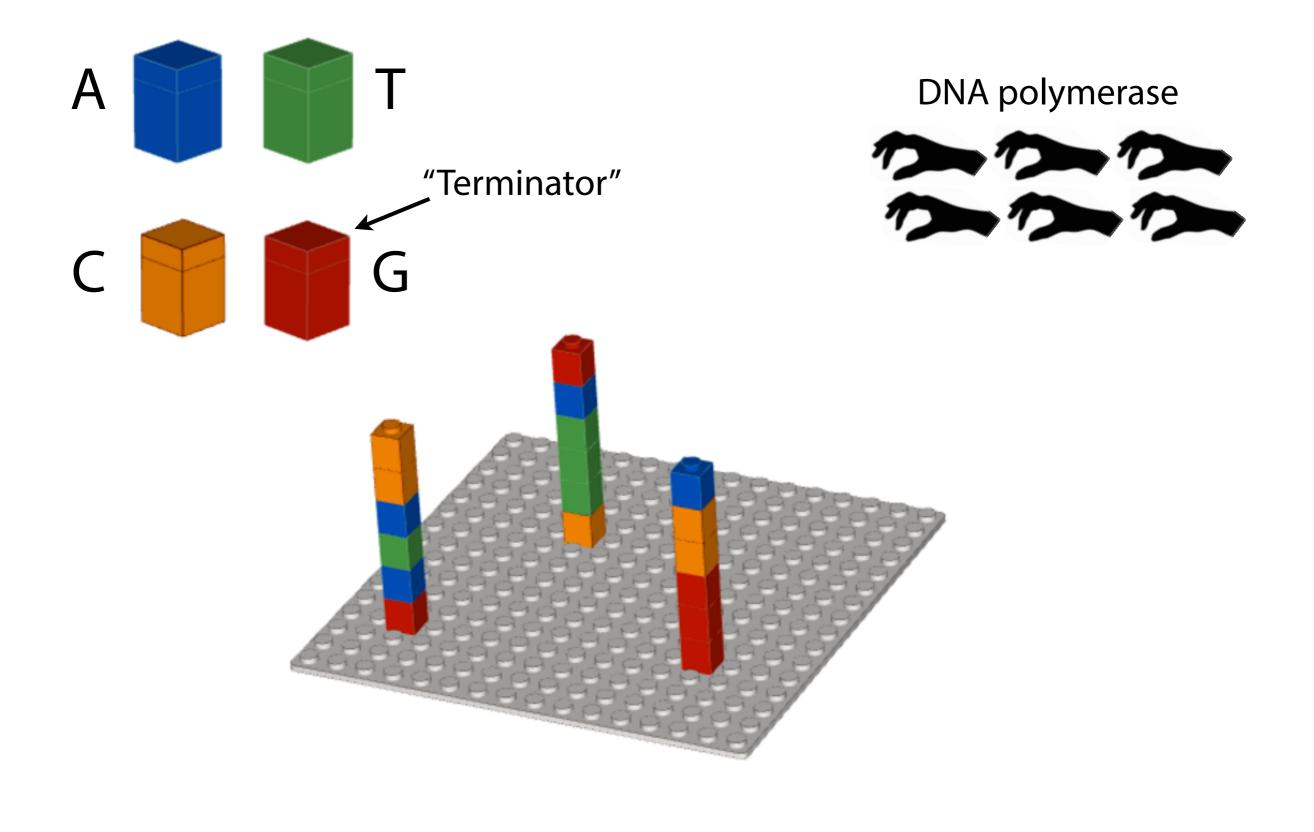
Cut into snippets

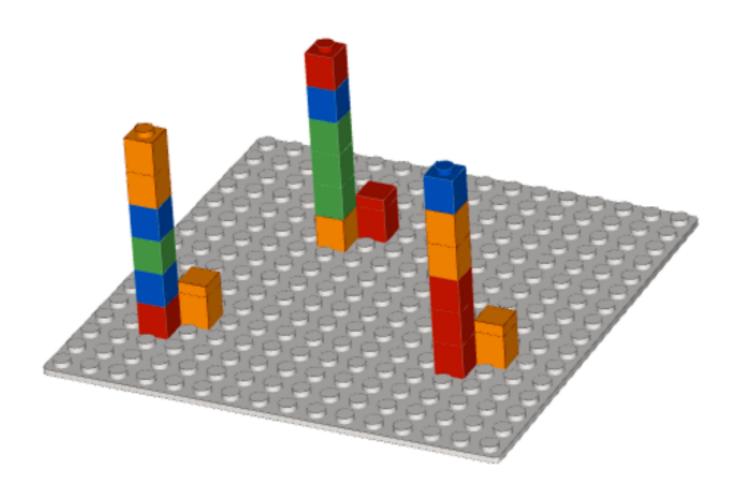
CCATAGTA TATCTCGG CTCTAGGCCCTC ATTTTTT
CCA TAGTATAT CTCGGCTCTAGGCCCTCA TTTTTT
CCATAGTAT ATCTCGGCTCTAG GCCCTCA TTTTTT
CCATAG TATATCT CGGCTCTAGGCCCT CATTTTTT

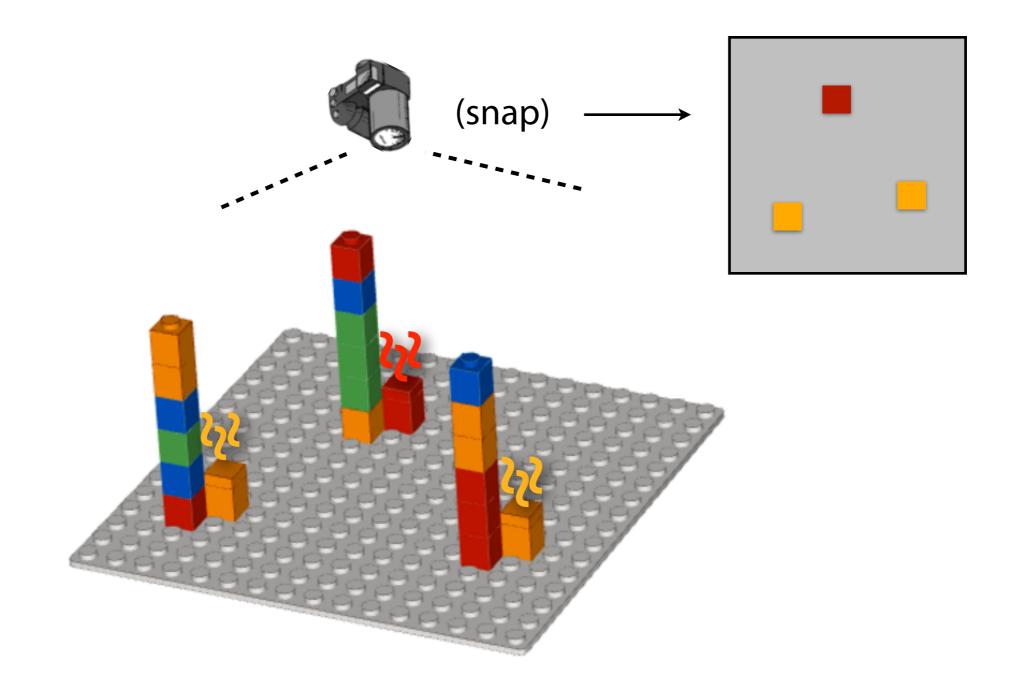
Deposit on slide

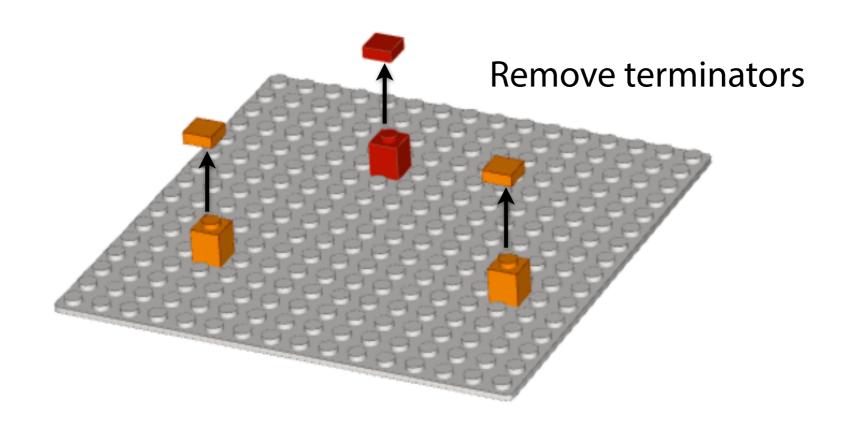
CATAG

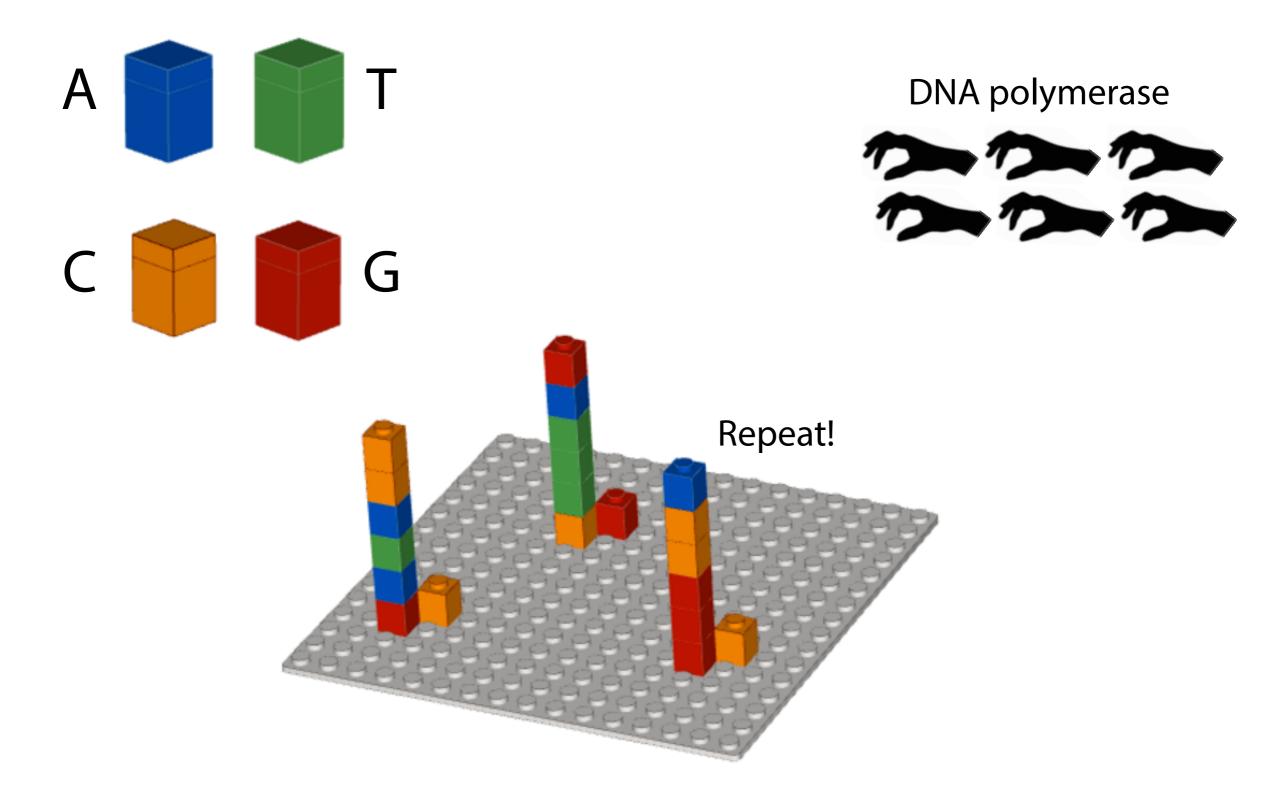


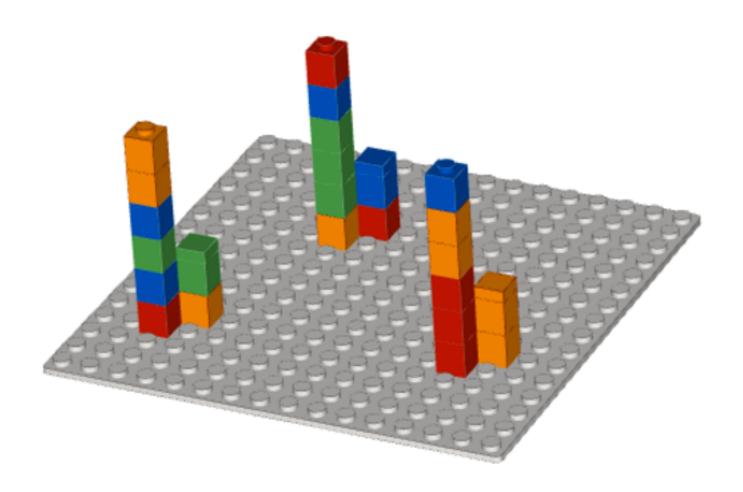


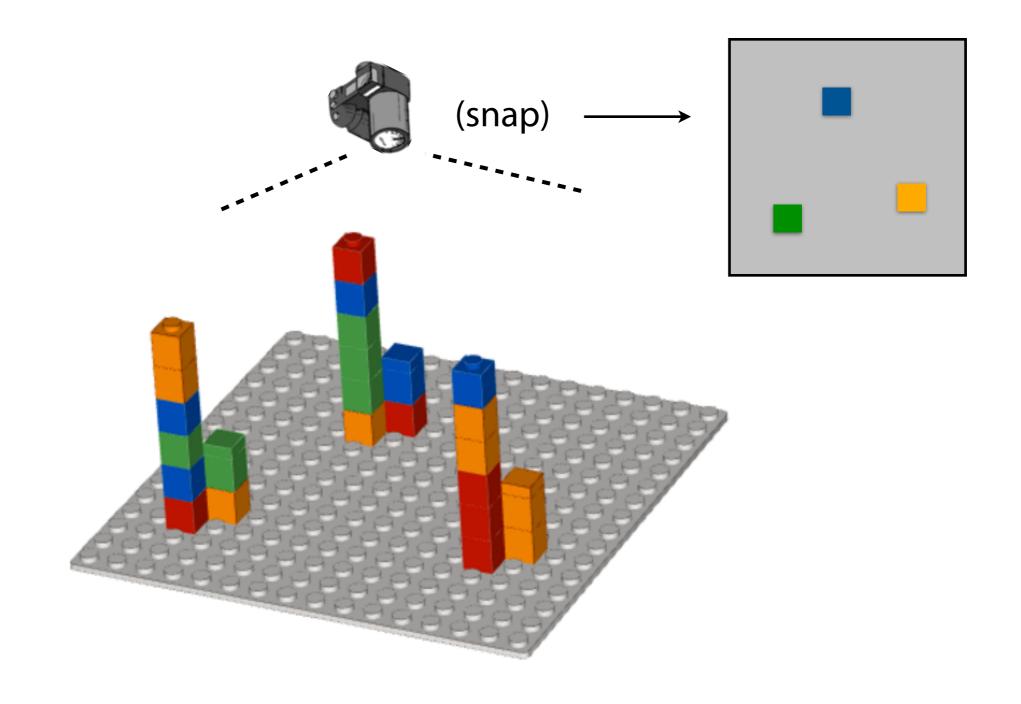


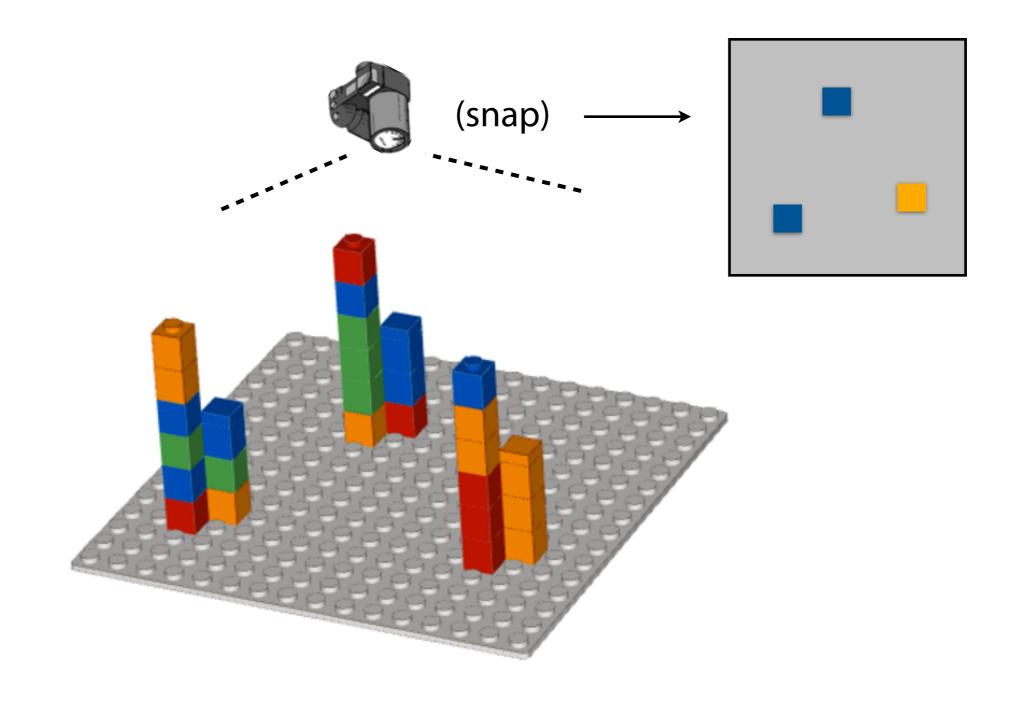


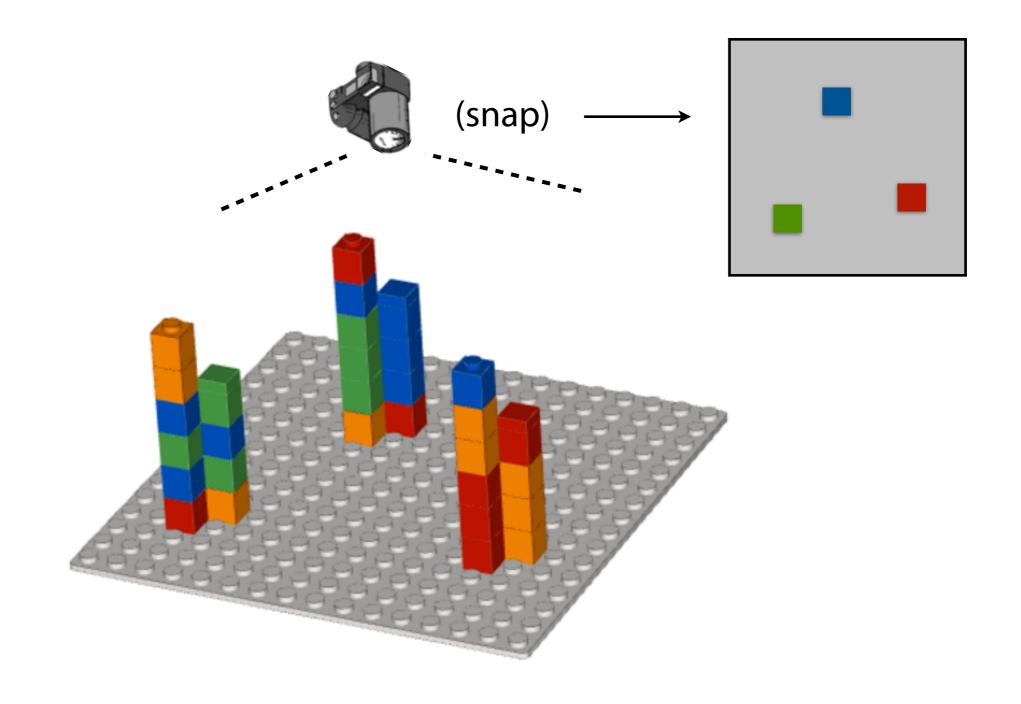


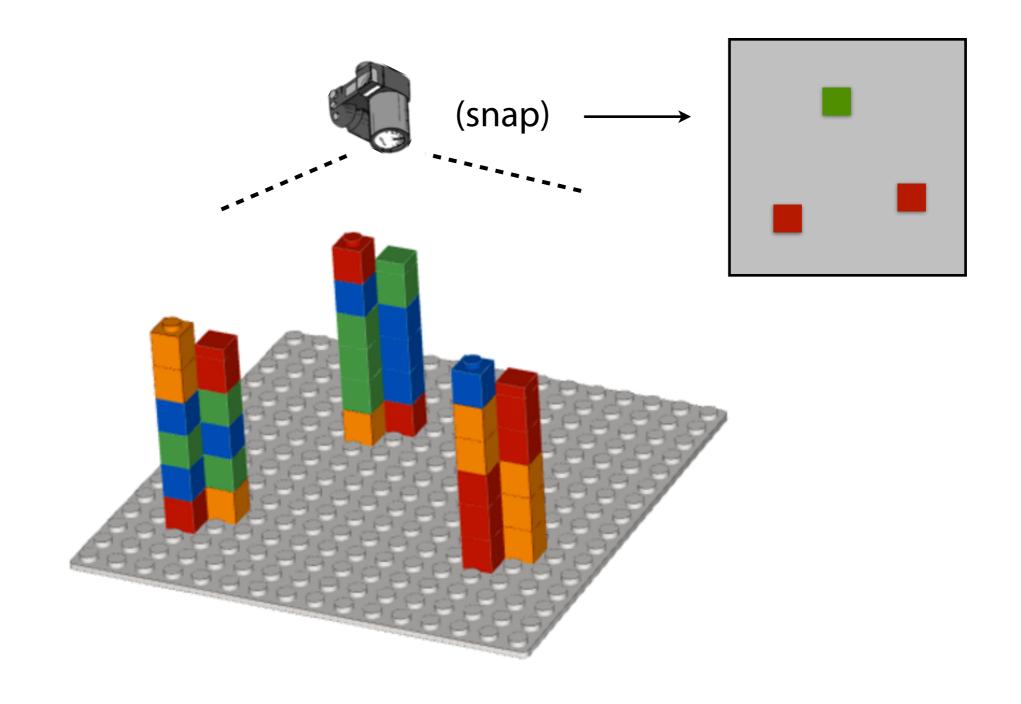


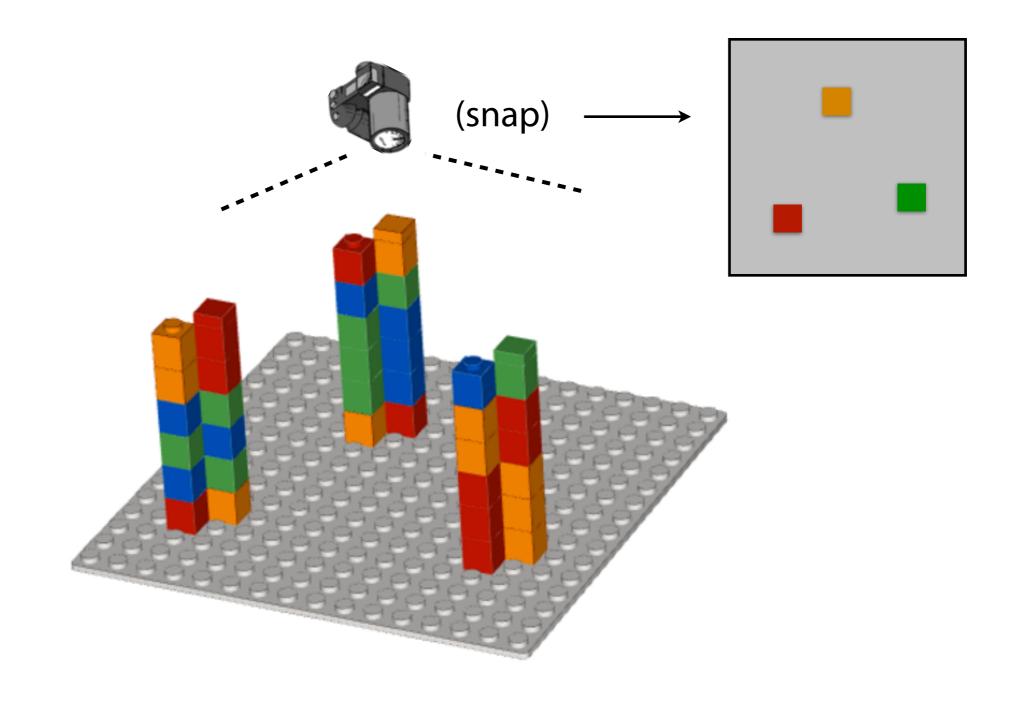




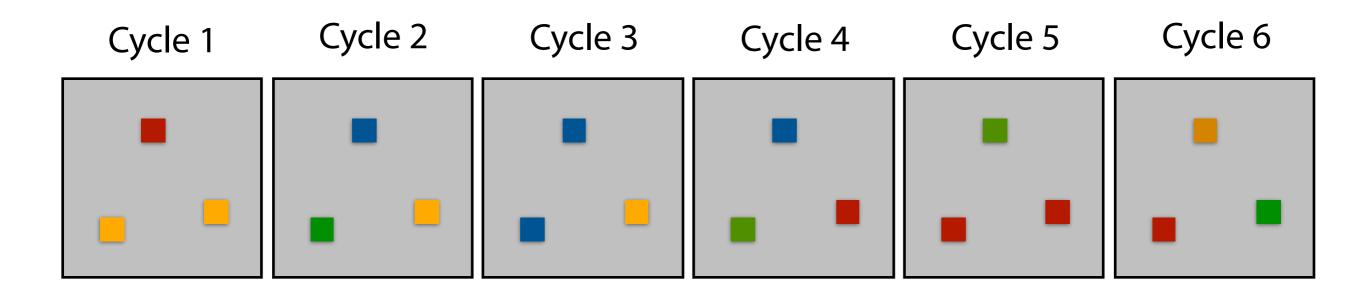




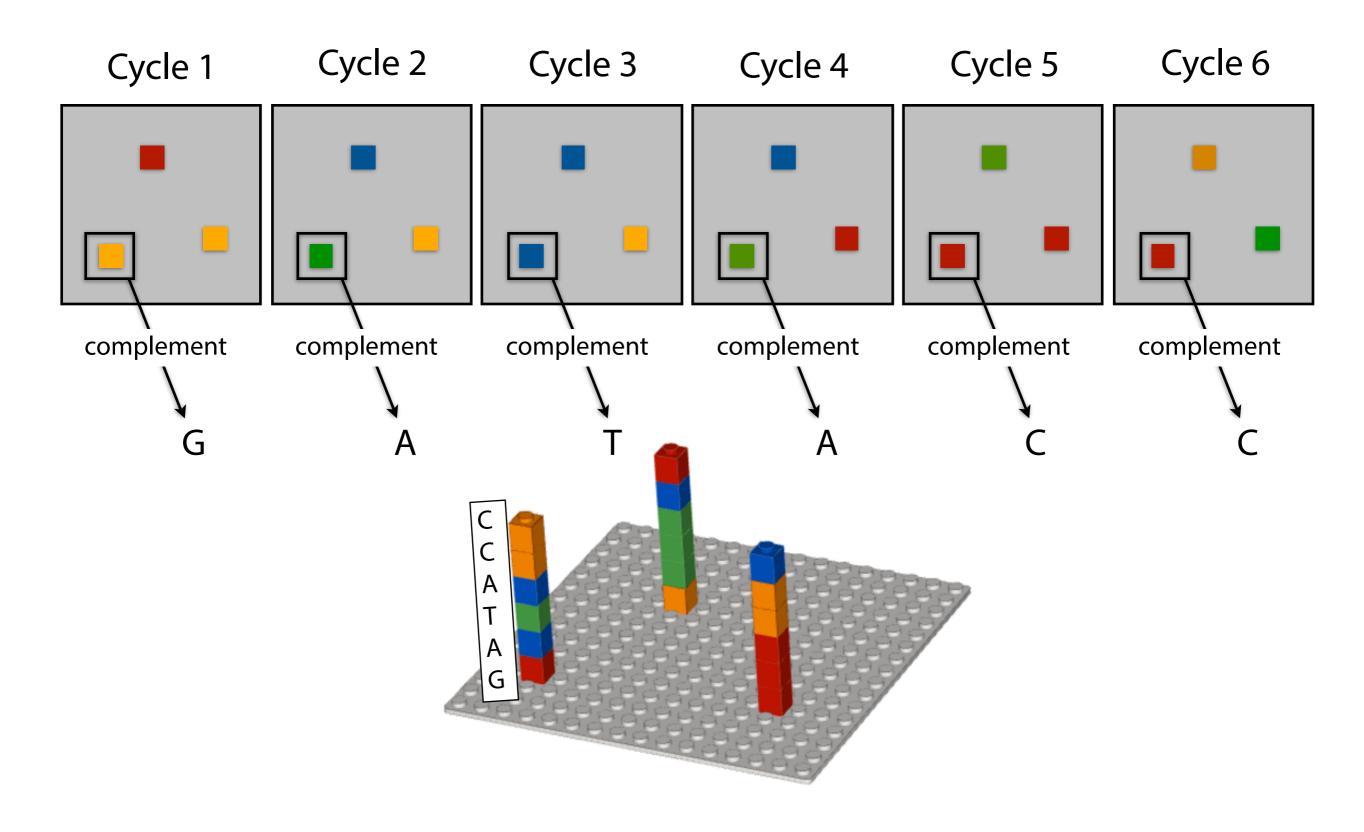




Sequencing by synthesis



Sequencing by synthesis



Sequencing by synthesis

Billions of templates on a slide

Massively parallel: photograph captures all templates simultaneously

Terminators are "speed bumps," keeping reactions in sync

