

Polypeptide (protein)

Color key:

black = carbon

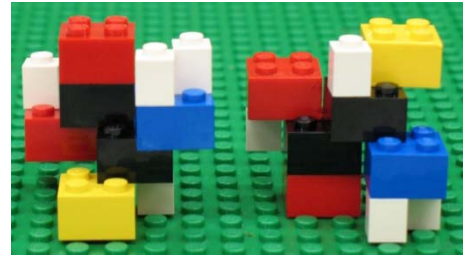
white = hydrogen

red = oxygen

blue = nitrogen

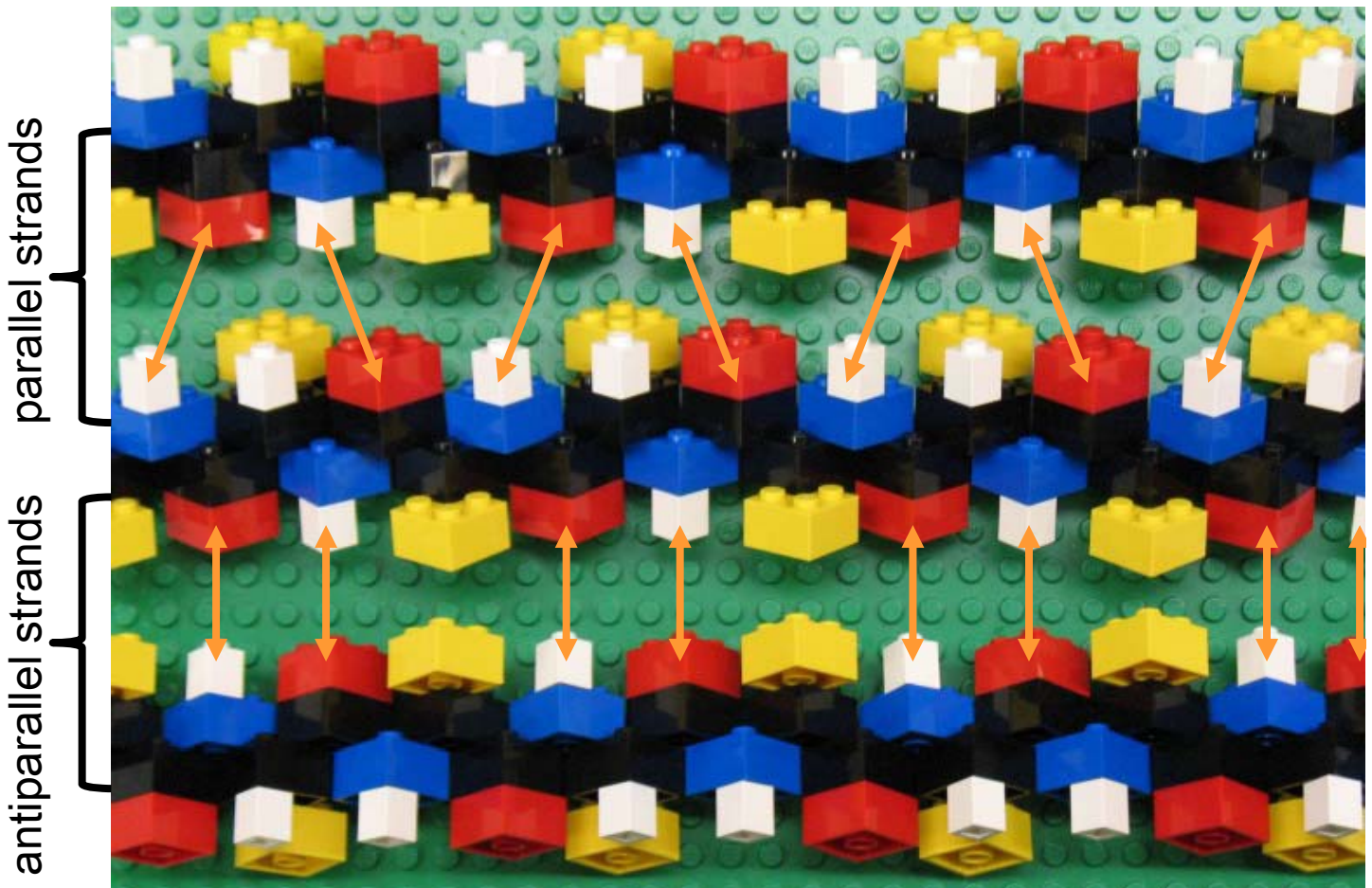
yellow = assorted functional groups

Monomer for the condensation polymerization:



amino acid (L isomer)

Hydrogen bonds (orange arrows) can form between oxygen atoms on one polymer strand and hydrogen atoms attached to nitrogen atoms on an adjacent polymer strand.



NOTE: Hydrogens connected to the nitrogens on the bottom reversed strand have been moved to the front for ease of viewing.