

**Source:** [\[KBMacromolecules\]](#)

- [\[KB2020bio101refProteinFolding\]](#)
  - Where do we get our amino acids?
    - Meat protein is “better” than plant protein
      - because it has all the amino acids
  - Active site
    - How {R groups and cofactors (like metal elements (like magnesium)), polarity / electroneg difference} facilitate new bond formation
      - DNA Polymerase’s active site: [bioSRCdnaPolymeraseActiveSite.png](#)
        - R groups (Asp) have the negative charges that create weak (pink) bonds with magnesium which holds the DNA monomer
        - DNA monomer comes with a triphosphate attached (brings its own energy)
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