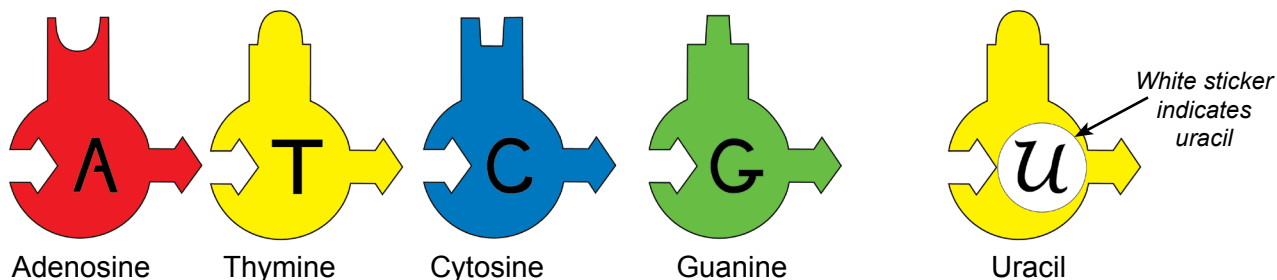
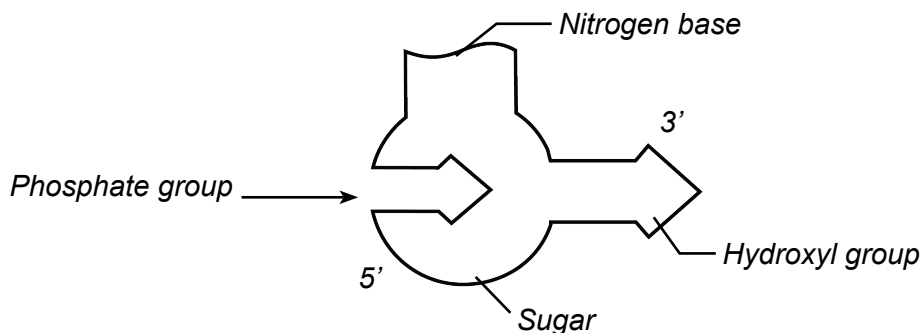
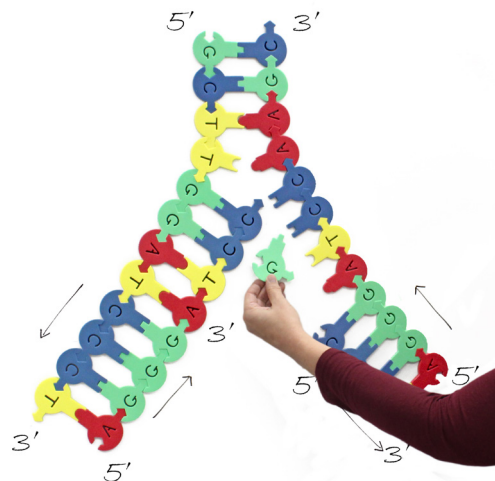


# Teacher Notes

You can use 3D Molecular Designs' large-scale, color-coded foam Demo DNA Nucleotides® to introduce basic DNA concepts to your students before they explore the DNA Discovery Kit®, DNA Starter Kit® and/or Flow of Genetic Information Field Test Kit® to discover the structure and function of DNA. It also works well for review.

You can cover a host of DNA topics:

- Complementary A-T and G-C base pairing
- Anti-parallel nature of double-stranded DNA
- Semiconservative nature of DNA replication
- Transcription (Use white stickers on thymine to indicate uracil. See below. White stickers are available at office supply stores.)
- PCR (polymerase chain reaction)
- Sanger DNA sequencing method



As a wrap-up, ask your students to compare the strengths and weaknesses of each of the models. Please consider sharing lessons and activities you develop that we could share with other teachers. Please also keep in touch – we enjoy hearing from you about how you use our kits and models in your classrooms!