

CHAPTER 18	mRNA	BLM 18.2.2
OVERHEAD		

mRNA

- Ribonucleic acid
- Sugar component is ribose
- Single stranded; may fold in on itself to form regions of complementary base pairs
- Nitrogenous bases are A, U, C, and G
- One of three forms of RNA: mRNA, tRNA, and rRNA
- Carries genetic information from DNA to ribosomes for translation
- In eukaryotes, mRNA is found in the mitochondria, nucleus, and cytoplasm

DNA

- Deoxyribonucleic acid
- Sugar component is deoxyribose
- Double stranded; double helix
- Nitrogenous bases are A, T, C, and G
- Only one form of DNA
- Stores genetic information that is replicated during cell division and copied into mRNA during transcription
- In eukaryotes, DNA is found in the nucleus and mitochondria