

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**