

## **DNA and RNA - Part 2 ([bozemanscience.com](http://bozemanscience.com))**

1. Describe the structure of a nucleotide.
2. Describe how DNA nucleotides are different from RNA nucleotides.
3. Describe the structural difference between a DNA molecule and an RNA molecule.
4. Describe how DNA replicate itself. Where does DNA replication take place in a eukaryotic cell?
5. Describe the Central Dogma of Biology.
6. Describe the process of transcription. Where in the eukaryotic cell does transcription take place?  
What is the product of transcription?
7. Describe the process of translation. Where in the eukaryotic cell does translation take place?  
What is the product of translation?
8. What is a phenotype?
9. What is an extended phenotype?
10. Describe the process used by drug companies to grow insulin.