

Name answer key Date \_\_\_\_\_

## DNA/RNA/PROTEIN SYNTHESIS

Answer the questions below.

What does DNA stand for?

deoxyribonucleic acid

What are the three parts of the nucleotide?

Phosphate, sugar, nitrogen base

What are the four bases found in DNA?

G, A, T, C

What is the sugar found in DNA called?

deoxyribose

What are the three differences between RNA and DNA?

RNA=uracil, DNA=double stranded, RNA=more than one kind

How many nucleotides does it take to make one amino acid?

3

What is the process called that changes DNA to mRNA?

transcription

Where does translation take place and what happens?

Ribosomes, tRNA carries amino acids to the ribosome to pair their anticodon with the mRNA codon to assemble amino acids in a chain to make a polypeptide