*Biochemistry: Nucleic Acids*

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd. \_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**NUCLEIC ACIDS:**

* Complex polymer that stores information in cells in the form of a\_\_\_\_\_\_\_\_\_\_\_.
* Monomers (basic building blocks):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which consist of C, H, O, N, P

• These elements are arranged in 3 groups: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Phosphate

Group

Sugar

Nitrogen

Base

Nucleic Acid Structure

**2 types of nucleic acids:**

* 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_(deoxyribonucleic acid) contains all the instructions for an organism’s development…..AKA genetic information
		+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stranded molecule
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_(ribonucleic acid) forms a copy of DNA and is used for protein synthesis (production**)**
		+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stranded molecule

