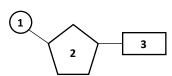
A 1.2 Nucleic Acids

1. Compare the RNA and DNA ______represented here:

2 3



RNA: _____acid

1

2. _____ sugar

3. _____bases:

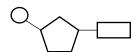
i. _____= ____

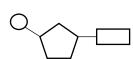
ii. _____ ≡ ____

- DNA: _____acid
- 1.
- 2. ____sugar
- 3. _____ bases:
 - i. ____=
 - ii. _____

 = ____
- 2. These _____can link together forming strands. Complete the schematics of the strands of RNA and DNA below to compare their structures. Label all molecules, bonds and bases.

RNA





DNA

A ______ bond, which is a type of ______ bond, forms the strong ______of

both the DNA and RNA strands. This is formed via a ______ reaction because _____ is released.

bases join through _____ bonds. These bonds are best shown with a dashed or

dotted line, to help differentiate them from ______ bonds. These bonds will only form between

______ base _____ . There is a ______ bond between _____ and _____ , and a

_____ bond between _____ and _____.

3. In your drawing, you should be able to see that the strands in DNA are ______.

Characteristic	RNA	DNA
Characteristic	NO.	
Type of pentose (include a sketch)		
Bases (and which bond to each other!)	1	
Number of strands		
but they are not considered to	be	ant to note that some viruses use across organisms is evidence
		across organisms is evidence
Without looking back at the pr		ed drawing of RNA and DNA in the spa
below. Then compare. Did yo		ed drawing of final and bliad in the spe