

## DNA

## RNA

<ul style="list-style-type: none"><li>◆ <b>Double strand</b></li><li>◆ <b>Deoxyribose</b></li><li>◆ <b>Makes up chromosomes</b>     →genes</li><li>◆ <b>Has T</b></li><li>◆ <b>No U</b></li><li>◆ <b>A bonds with T</b></li><li>◆ <b>Winds into helix</b></li><li>◆ <b>ONLY in nucleus (eucaryotes)</b></li><li>◆ <b>Nitrogenous bases PAIR up.</b></li><li>◆ <b>Semiconservative replication</b></li><li>◆ <b>INSTRUCTIONS for protein.</b></li></ul>	<ul style="list-style-type: none"><li>• <b>C bonds with G</b></li><li>• <b>Involved in protein making</b></li><li>• <b>Phosphate group</b></li><li>• <b>Polymer</b></li><li>• <b>Pentose sugar (5 sided)</b></li><li>• <b>Have A, G, C.</b></li><li>• <b>Required for cell metabolism (rxns)</b></li></ul>	<ul style="list-style-type: none"><li>➤ <b>Doesn't replicate</b></li><li>➤ <b>Single stranded</b></li><li>➤ <b>Has ribose sugar</b></li><li>➤ <b>Has U</b></li><li>➤ <b>Never has T</b></li><li>➤ <b>Works with ribosome</b></li><li>➤ <b>MAKES protein</b></li><li>➤ <b>Mostly in cytoplasm.</b></li><li>➤ <b>Doesn't form helix</b></li></ul>
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Comments: DNA makes RNA ... and then ...

RNA makes PROTEIN.