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| **1** | What does DNA stand for? |

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|  | **2** | What does RNA stand for? |

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|  | **3** | What biomolecule do DNA and RNA belong too? |

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|  | **4** | What are the three parts of a nucleotide and what biomolecule is the nucleotide a base unit too? |

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|  | **5** | Why does DNA replicate? |

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|  | **6** | All cells in the body, except gametes, have the same DNA |

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|  | **7** | What is the difference between the nitrogen bases from DNA and RNA? |

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|  | **8** | How many strands does DNA have?  How many strands does RNA have? |

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|  | **9** | What is the complementary strand for this DNA strand |

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|  | **10** | From this DNA strand create the mRNA strandA-T-T-C-G-A-A-T-T-C-G-A |

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 11. What is important about the pairing of the nitrogen bases in DNA. What do they signify in building proteins?