**DNA Video Questions**

[**http://www.youtube.com/watch?v=8kK2zwjRV0M**](http://www.youtube.com/watch?v=8kK2zwjRV0M)

1. **How many chromosomes in the human cell? ......................................................................**
2. **What monomer makes up DNA? ..........................................................................................**
3. **What 3 things make up the monomer?**

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1. **What is the name of the sugar? ...........................................................................................**
2. **What are the 4 bases called?**

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1. **What makes up the backbone?**

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1. **What is the name for the opposite facing strands?**

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1. **What bonds hold the bases together? ..................................................................................**
2. **What bonds with adenine? ..................................................................................................**
3. **What bonds with guanine?**

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1. **How many base pairs in each cell?**

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1. **What is the sugar in RNA?**

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1. **What is the base in RNA instead of thymine?**

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1. **Who discovered DNA?**

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1. **Who discovered the structure of DNA?**

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1. **Which enzyme splits the DNA?**

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1. **What is the role of DNA polymerase?**

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