



Amoeba Sisters | Video Recap

NAME: _____

Amoeba Sisters Video Recap: DNA vs. RNA & Protein Synthesis UPDATED Whose Show Is This?

DNA shouldn't get all the credit! For this portion, check out the Amoeba Sisters DNA vs. RNA video.

Then, write "D" if for DNA, "R" if for RNA, or "BOTH" if it pertains to both DNA and RNA.

1. ____ BOTH ____ I am a nucleic acid.
2. ____ R ____ I am usually single-stranded.
3. ____ R ____ I am generally found both inside and outside of the nucleus (in eukaryotic cells).
4. ____ D ____ I am arranged as a double helix, and my shape is often described as a "twisted ladder."

5. ____ BOTH ____ I include bases **guanine, cytosine, and adenine.**

6. ____ BOTH ____ Each of my nucleotides includes a **phosphate, sugar, and base.**

7. ____ D ____ I include the base **uracil.**

8. ____ D ____ I include the base **thymine.**

9. ____ D ____ I generally remain in the **nucleus** (in eukaryotic cells).

10. ____ D ____ I have the sugar **deoxyribose.**

11. ____ BOTH ____ I am made up of **nucleotides.**

12. ____ R ____ I have the sugar **ribose.**



For the following discussed RNA types, complete the missing information in the boxes below.

Some boxes have been filled in for you.

Type: mRNA	13. Type: ____tRNA__	14. Type: ____rRNA__
Stands for: 15. ____ Messenger RNA ____	Stands for: 16. ____Transfers messages____	Stands for: 17. ribosomal RNA

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