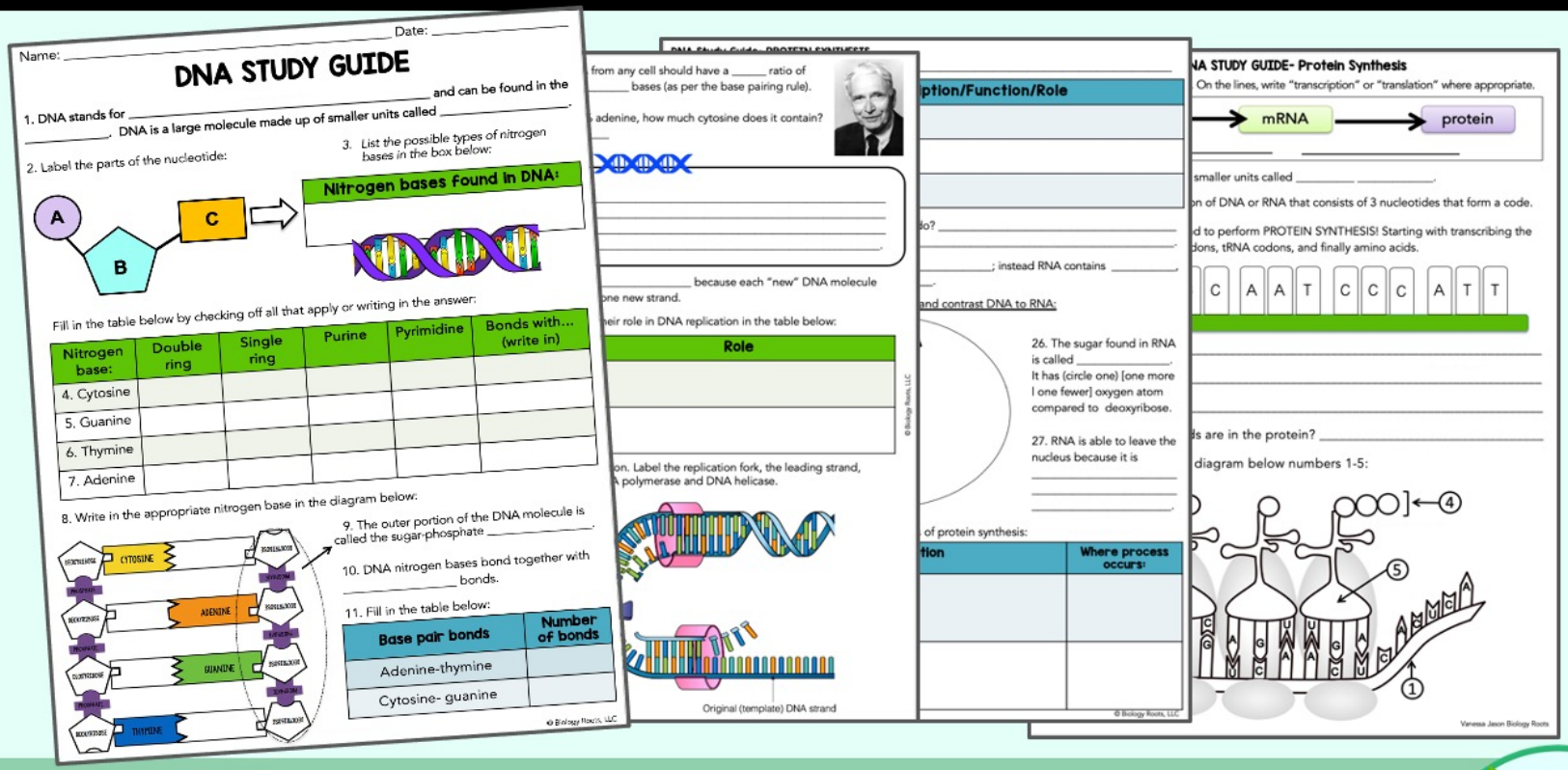
DNA

Study Guide

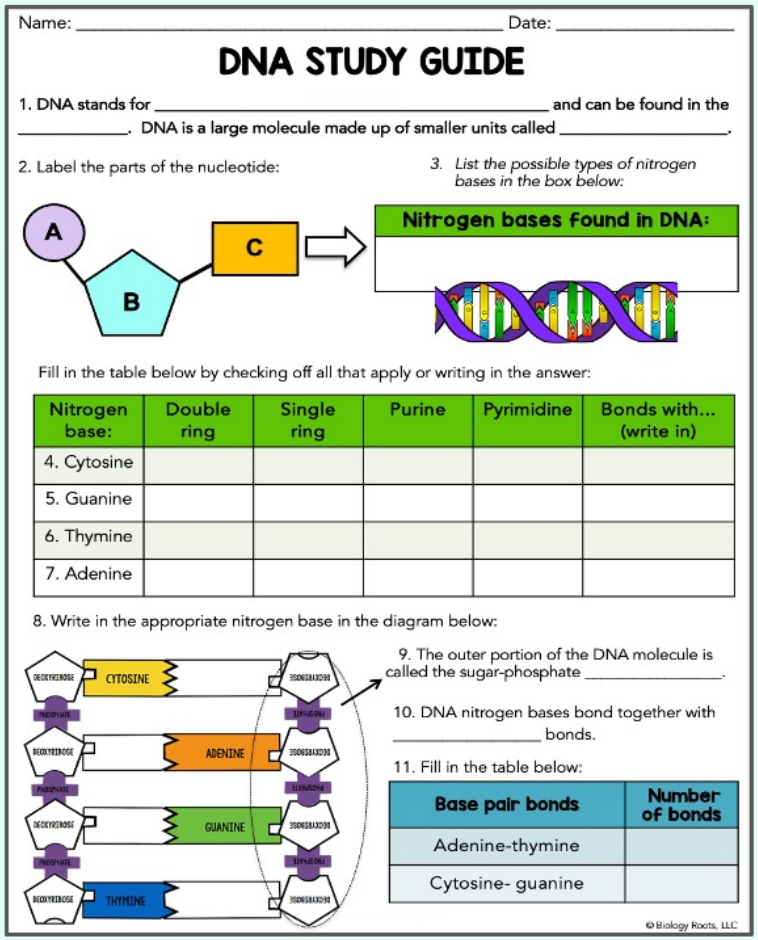


STRUCTURE, FUNCTION, REPLICATION, PROTEIN SYNTHESIS

Editable and *paperless* copy included

biology roots

DNA Study Guide



Name: _____ Date: _____

DNA STUDY GUIDE

1. DNA stands for _____ and can be found in the _____. DNA is a large molecule made up of smaller units called _____.

2. Label the parts of the nucleotide:

3. *List the possible types of nitrogen bases in the box below:*

Nitrogen bases found in DNA:

Fill in the table below by checking off all that apply or writing in the answer:

Nitrogen base:	Double ring	Single ring	Purine	Pyrimidine	Bonds with... (write in)
4. Cytosine					
5. Guanine					
6. Thymine					
7. Adenine					

8. Write in the appropriate nitrogen base in the diagram below:

9. The outer portion of the DNA molecule is called the sugar-phosphate _____.

10. DNA nitrogen bases bond together with _____ bonds.

11. Fill in the table below:

Base pair bonds	Number of bonds
Adenine-thymine	
Cytosine- guanine	

© Biology Roots, LLC

- ✅ Organizes information with plenty of charts and visuals to help students study for assessment.
- ✅ Editable so you can make adjustments as needed!
- ✅ Hosted on Google Slides to support digital classrooms or absences.
- ✅ As always, answer key is included!
- ✅ Perfect for high school (or middle school if topics are covered).

4 pages total :

Pages 1-2 = DNA structure, function, and replication

Pages 3-4 = RNA & Protein Synthesis

Thank you so much for supporting biology roots

I hope you enjoy the resources and they benefit your students!

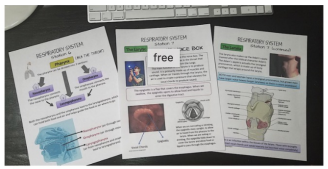
FEEDBACK

If you are happy with your purchase please consider leaving feedback as to what you enjoyed about the resource and how you used it in the classroom. Your feedback always motivates me and inspires me to keep creating content!

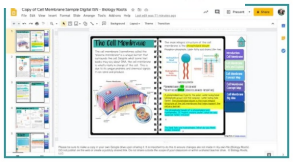
If you have negative feedback, please email me; I'm always happy to listen to your concerns so that I can improve the product and the description:
vanessa@biology-roots.com

NEWSLETTER

Subscribe here
biology roots
Resource library



Sample Body System Stations



Digital ISN Sample

LEGAL TERMS

I reserve all rights to this resource. This product is to be used by the original purchaser only. **This purchase grants one license for personal use**. Not for public display, including ANY websites. Violations are subject to the penalties of the Digital Millennium Copyright Act.

It IS Okay to...	It is NOT Okay to...
Use this for personal use only in your classroom as often as you would like, every year!	• Share this resource with colleagues or coworkers unless additional licenses were purchased. • Post this item to your school website, personal website, file-sharing website or drive. (If housed in a private platform for students, such as Google Classroom, Schoology, etc. it is OK to post.)

STAY CONNECTED