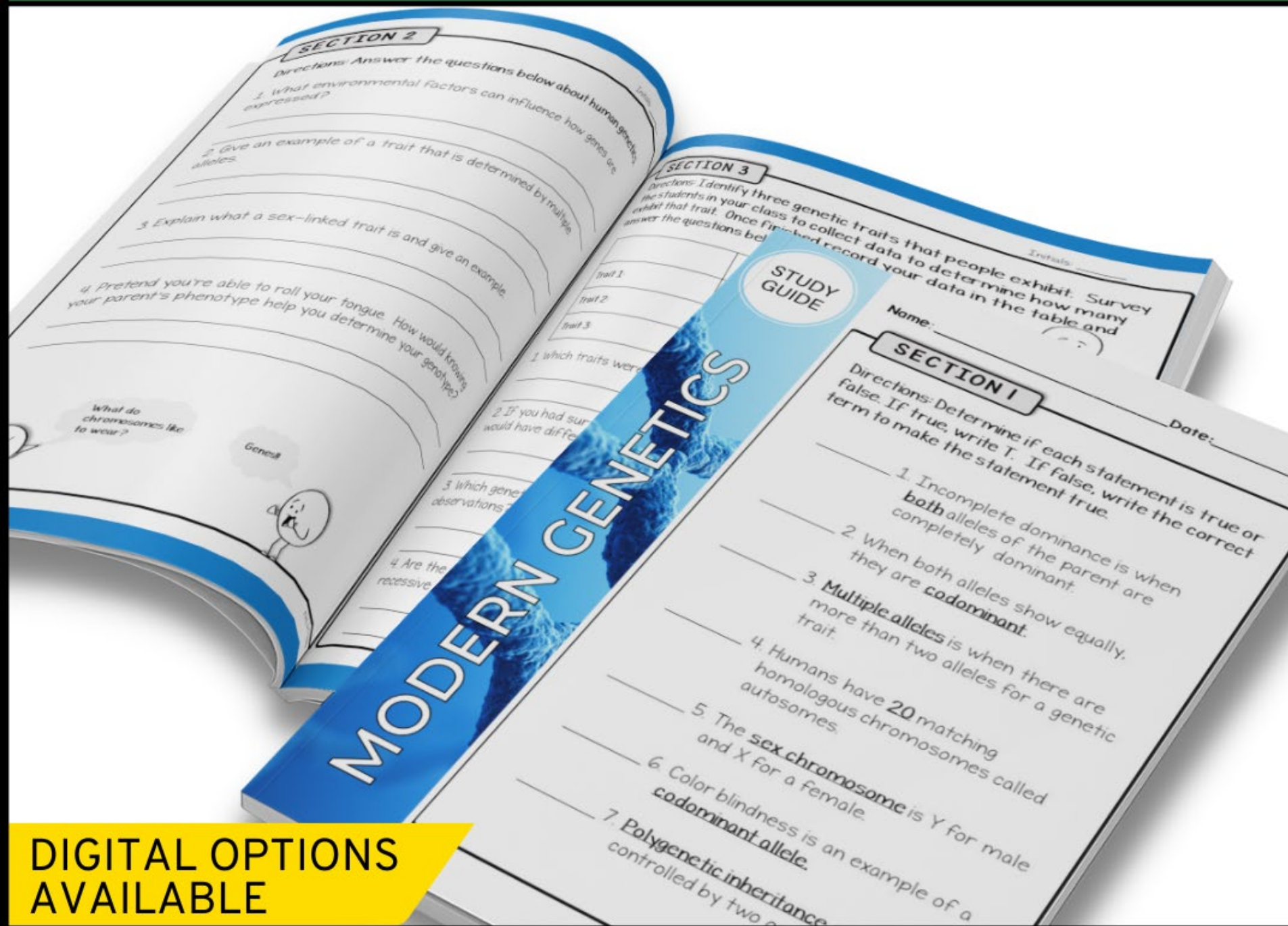




DIGITAL OPTIONS
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STUDY GUIDE

REVIEW STRATEGIES • CRITICAL THINKING

Includes **PRINT** or **DIGITAL** Options

Initials: _____

2. Answer the questions below about human genetics.

Environmental factors can influence how genes are expressed.

Give an example of a trait that is determined by environmental factors.

Explain what a sex-linked trait is and give an example.

SECTION 3

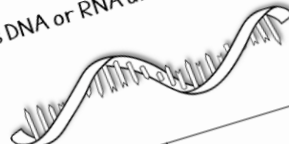
Directions: Identify three genetic traits that people exhibit. Survey the students in your class to collect data to determine how many exhibit that trait. Once finished record your data in the table and answer the questions below.

Trait 1:	Number of students with trait	Number of students without trait

Initials: _____

SECTION 4

Directions: Determine if each picture is DNA or RNA and then fill in the table for each.

Structure	Number of Strands	Sugars
		
		

Initials: _____

SECTION 5

Directions: List two causes of genetic disorders and answer the questions about karyotypes.

Causes of genetic disorders

What is a karyotype?

What is a pedigree?

SECTION 7

Directions: Choose two genetic disorders and fill in the table below.

Genetic Disorder	Chromosomes affected	Description

Directions: Choose five of the terms below and use each in a complete sentence.

genetic engineering
Human genome project
gene therapy
inbreeding
cloning
hybrid

1. _____

2. _____

3. _____

4. _____

5. _____

SECTION 8

Directions: Scan the QR code to watch the video about genetics and answer the questions below.



GENETICS 101

1. What does genetics help us understand?

2. What is a genome?

3. Where is genetic information stored?

4. What are the four bases of DNA?

5. What is the Human Genome Project?

Did you know humans share genetic similarities with mice?





NGS Magnified Study Guides are directly aligned to the notes and assessments offered by NGS Magnified and include a variety of review strategies that meet the needs of your learners for independent study and indirect instruction.

Each study guide provides a combination of strategies which may include:

graphic organizers

critical thinking

vocabulary building

theme connection

compare and contrast

matching

problem solving

fill-in-the-blank

concept mapping

short answer

interpreting data

real world application

QR videos with accompanying questions



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