	Vame:	Class:	Date:
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From DNA to Proteins Diagnostic Test (Chapter 8)

Choose the letter of the best answer.

- 1. Genes influence traits by directing cells to make specific
 - a. gametes.

c. chromatids.

b. alleles.

- d. proteins.
- 2. Proteins are made up of
 - a. enzymes.

c. ATP.

b. amino acids.

- d. catalysts.
- _ 3. What happens during the S stage of the cell cycle, depicted in Figure 8.1?

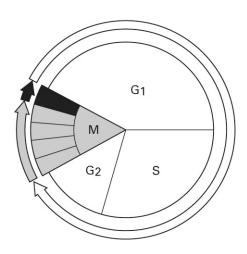


FIG. 8.1

- a. The cell divides into two daughter cells.
- b. Genetic information is copied.
- c. The cell "rests" in interphase.
- d. Homologous chromosomes pair up.
- 4. An alternative form of a gene that may occur at a specific locus is a(n)
 - a. allele.

c. autosome.

b. cross.

- d. genome.
- 5. Within a cell, proteins are made in the
 - a. nucleus.

- c. ribosomes.
- b. Golgi apparatus.
- d. mitochondria.

N		CI.	D.	
Name: _	gnostic Test continued	Class:	Date:	
	6. DNA is contained eukaryotic cells be a. prokaryotes are b. only eukaryotic. DNA is found		nembrane.	in
	important roles ir a. simple molecu	n living things becau lar structures. live other substances g ability.		
	8. What are the pept in Figure 8.2? Peptide be represented by the second secon	O R1 CH OCH OCH NH C	ogether in the polypeptide sho	own
	FIG. 8.2			
	a. amino acids.b. nucleic acids.		c. lipids. d. carbohydrates.	
	9. Unlike other carb a. single function b. varied structur c. poor bonding a d. unimportance	ı. es. ability.	s, nucleic acids are known for	their
	a. method of repute b. number of chro	oduction.	ned by that organism's	

c. expression of its genotype.d. percentage of recessive traits.