

Name _____

Period _____

Date _____

SECTION 8.1

IDENTIFYING DNA AS THE GENETIC MATERIAL
Power Notes

Griffith's experiments:

Conclusion:

Avery's experiments:

-
-
-

Conclusion:

Hershey and Chase's experiments:

-
-

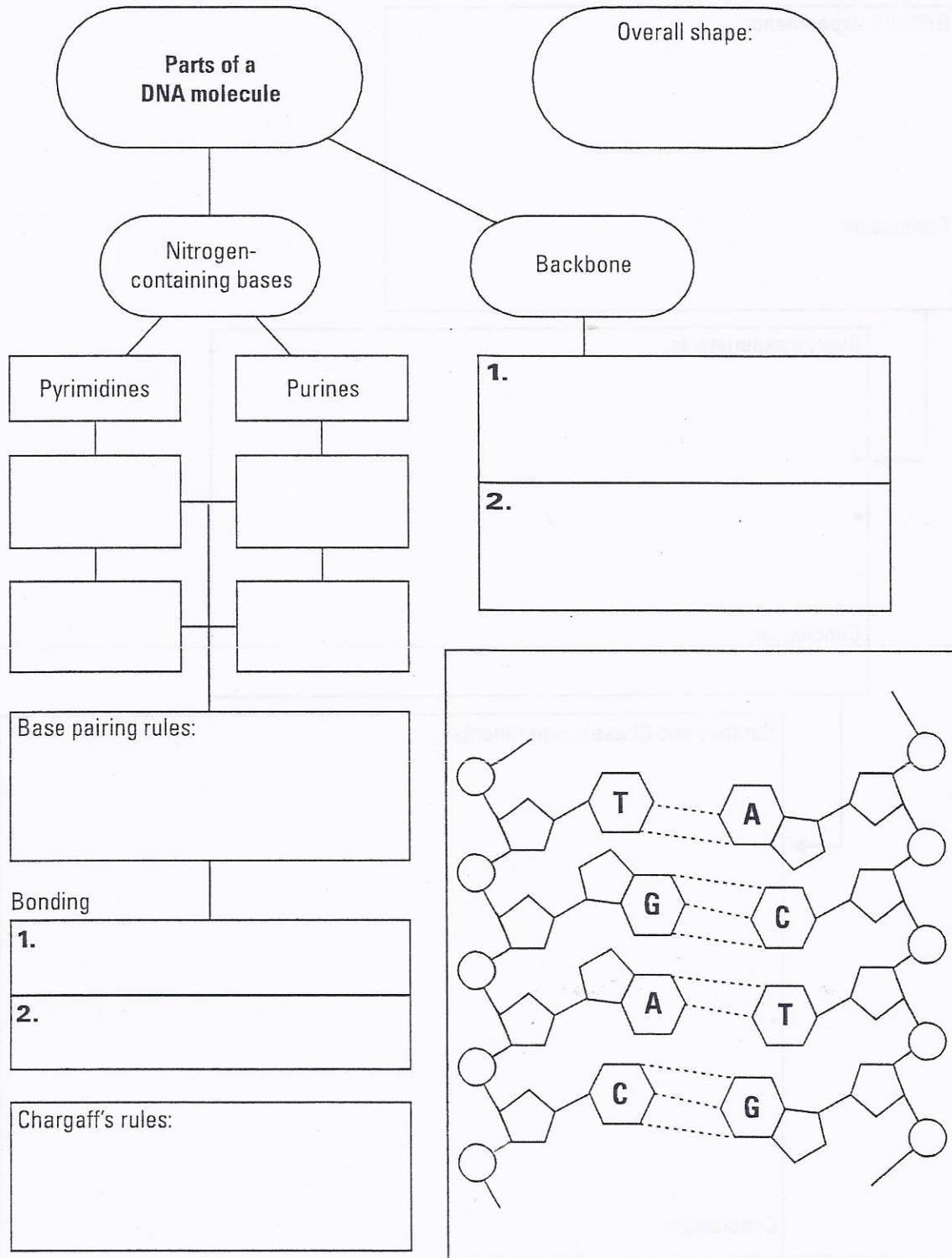
Conclusion:

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CHAPTER 8
From DNA to Proteins

SECTION 8.2

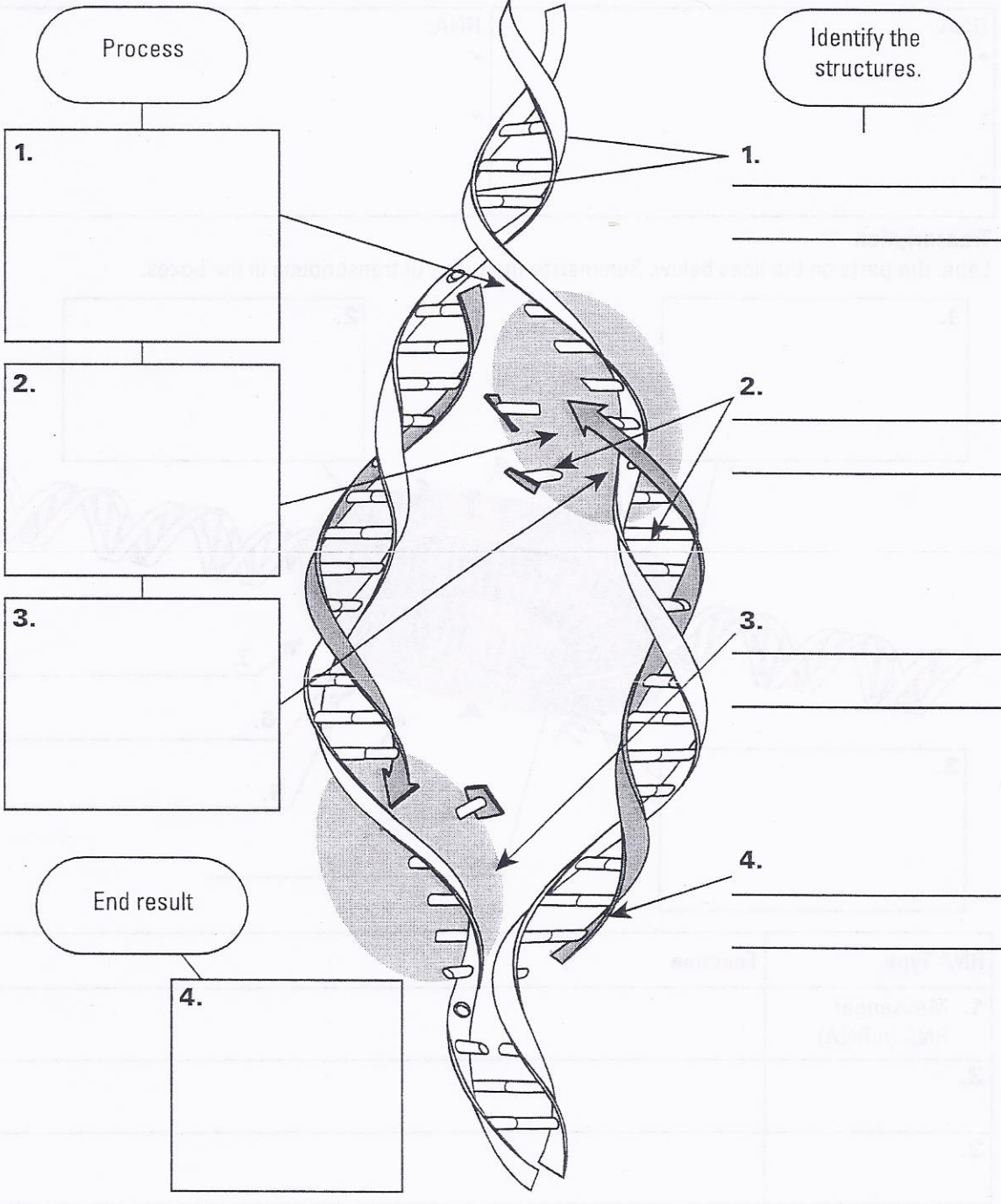
STRUCTURE OF DNA
Power Notes



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SECTION **8.3** | DNA REPLICATION
Power Notes

General description:



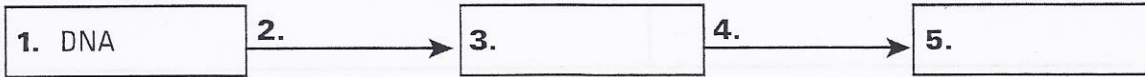
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CHAPTER 8
From DNA to Proteins

SECTION
8.4

TRANSCRIPTION
Power Notes

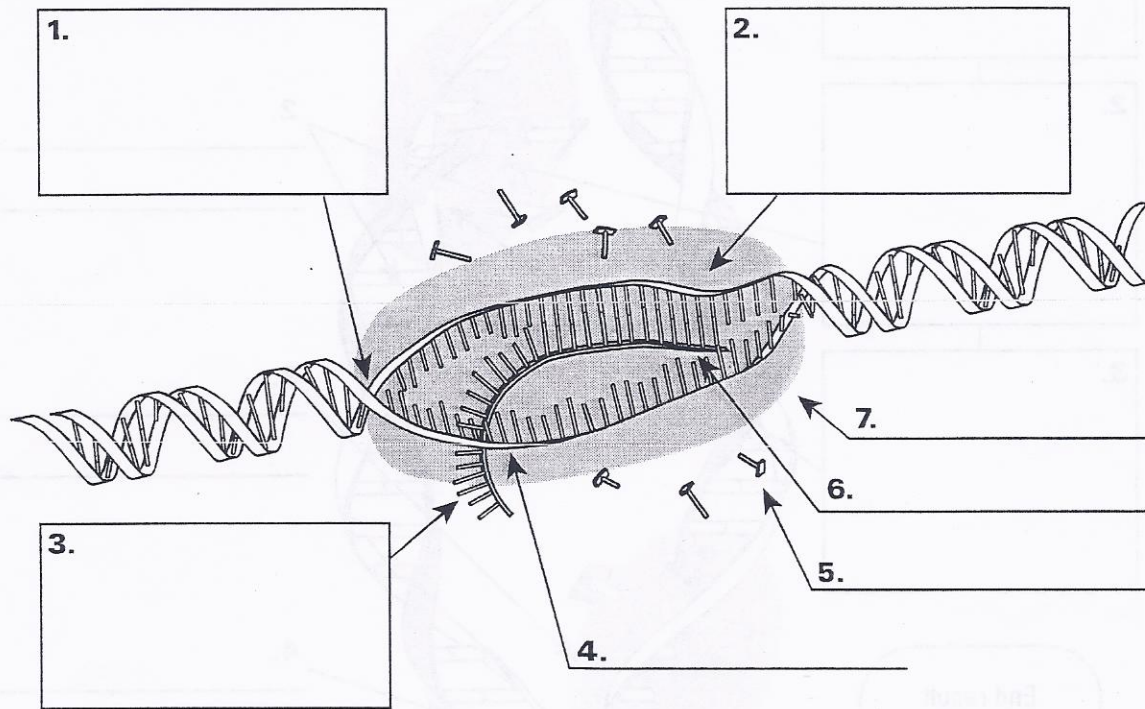
Central Dogma



<p>DNA:</p> <ul style="list-style-type: none"> • • • 	<p>RNA:</p> <ul style="list-style-type: none"> • • •
---	---

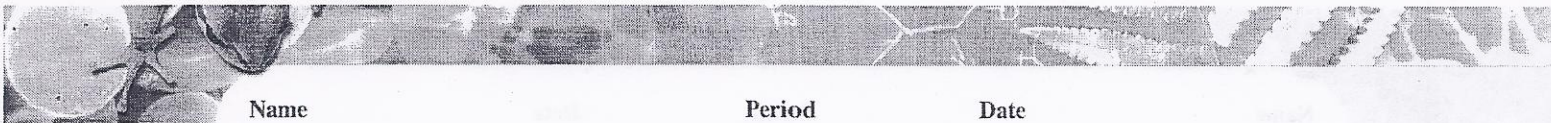
Transcription

Label the parts on the lines below. Summarize the steps of transcription in the boxes.



RNA Type	Function
1. Messenger RNA (mRNA)	
2.	
3.	

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SECTION
8.5

TRANSLATION
Power Notes

Reading frame:	Triplet Code	Common language:
	Codon	
Start codon:		Stop codon:
Ribosome	Anticodon	Transfer RNA (tRNA)
•		
•		

Translation

Parts	Process
-------	---------

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

1. _____

2. _____

3. _____

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 From DNA to Proteins

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SECTION
8.6

GENE EXPRESSION AND REGULATION
Power Notes

Promoter:

Operon:

lac operon:

Without lactose:

With lactose:

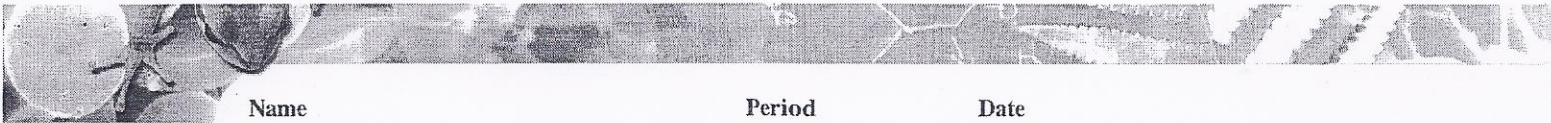
Controlling transcription in eukaryotic cells:

mRNA processing:

-
-
-

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CHAPTER 8
From DNA to Proteins



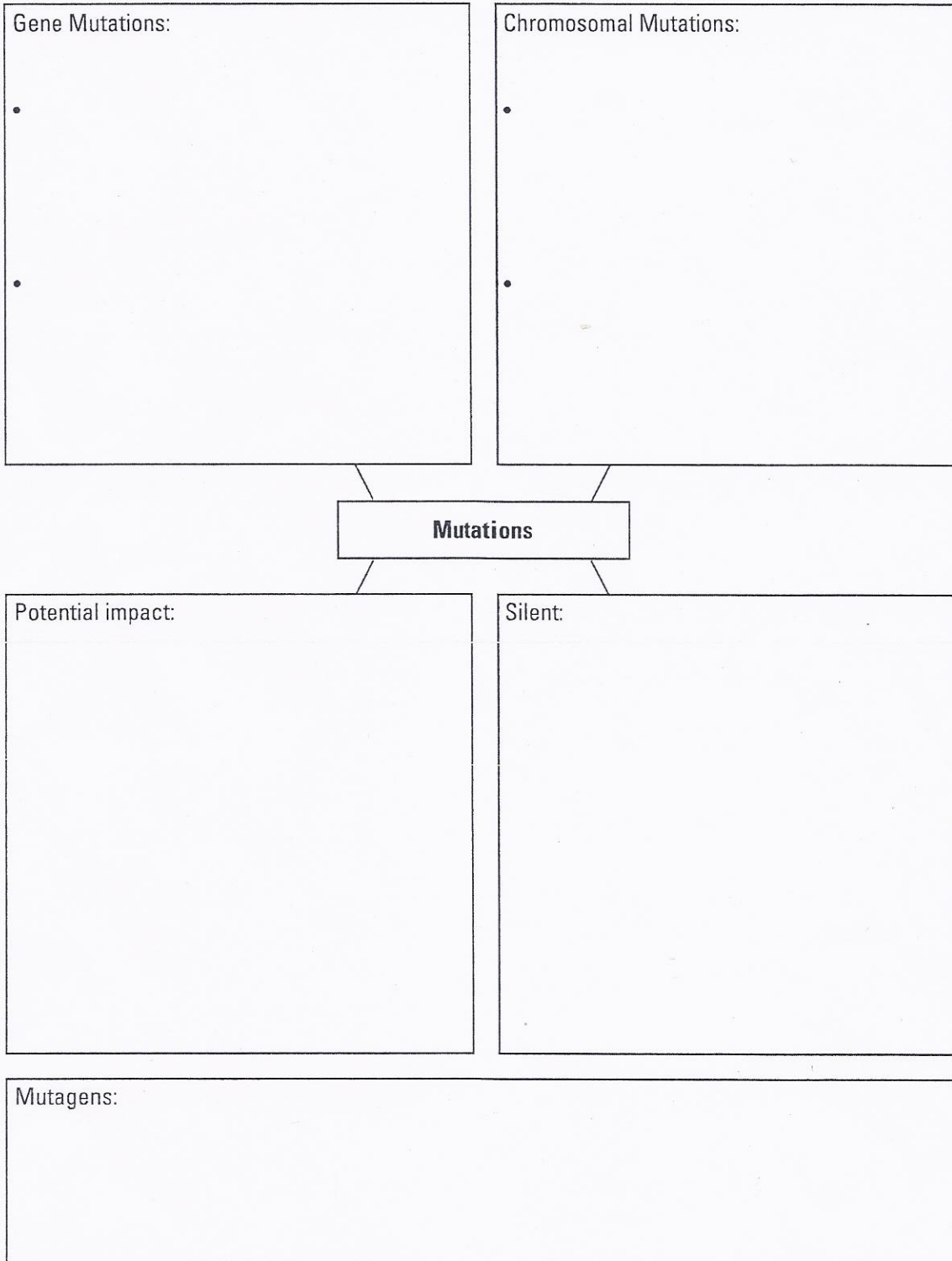
Name

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SECTION
8.7

MUTATIONS
Power Notes



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