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## READING GUIDE -Structure of DNA 12.1 and 12.2 (pages 338-348)

## A. Section 12.1 Identifying the Substance of Genetics (page 338)

1. Fill in the following chart for the important scientists

<u>Scientist</u>	Briefly describe experiment	Important Contribution
<u>Griffith</u>		
<u>Avery</u>		
<u>Hershey-Chase</u>		
Rosalind Franklin Found in Section 12.2		
Watson and Crick Found in Section 12.2		
2. Define <b>TRANSFORMATIO</b>	DN:	
3. Define <b>BACTERIOPHAGI</b> The Role of DNA (page 342)		
4. What are the 3 functions of	f DNA?	
B. Section 12.2The Structu	re of DNA (page 344)	
1. DNA is made up of monor made up of 3 parts (list them	ners called ):	

	a											
	b				-	d				 		
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			Pe	rcentag	es of E	Bases ir	n Five C	rganis	ms			
Sou	rce of DNA		Α			Т			G		С	
Strepto	ococcus		29.8			31.6			20.5		18.0	
/east			31.3			32.9			18.7		17.1	
Herring	•		27.8			27.5			22.2		22.6	
Humar			30.9			29.4			19.9		19.8	
E. coli			24.7			23.6			26.0		25.7	
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