Biology	Name:	
Questions over DNA Crash Course video	Date:	Hour:
Video can be found at: https://wv	ww.youtube.com/watch?v=8kI	K2zwjRV0M
1. How many years ago did we finally find out w	what DNA looked like?	
2. If laid end to end, how many times would you	r DNA stretch to the Sun?	
3. How many letters are found in the DNA code?	?	
4. How many chromosomes are found in your bo	ody, somatic, cells?	
5. What is a polymer?		
6. What three parts make up each nucleotide?		
7. What two parts combine together to form the	twin backbones of DNA?	
8. What does 5' and 3' mean?		
9. According to the video, adenine must pair wit with	th	and guanine must pair
10. How many base pairs are in chromosome 1?	,	
11. What is similar between RNA and DNA?		

12. What are the three differences between RNA and DNA?	
13. Who actually discovered DNA in 1869?	
14. How did he collect the cells he used?	_
15. What did Rosalind Franklin discover?	
16. How long does it take, approximately, to create a copy of all	your DNA?
17. What is replication?	
18. What is the purpose of DNA helicase?	
19. What is a replication fork?	
20. Which is easier to replicate - the leading strand or the lagging	g strand?
21. What is the purpose of DNA polymerase?	
22. What is a primer?	
23. What direction is the only way that DNA polymerase can cop	by strands?
24. How long are most Okazaki fragments?	

25. What is the purpose of DNA ligase?	<u> </u>
26. How can your DNA be proofread for errors?	
27. How often do mistakes actually occur?	_
28. What is the "most celebrated molecule of all time"?	