

Biology

Name: _____

Worksheet over pp 326-332

Date: _____

Hour: _____

1. What real life hobby is described in the Real-World Reading Link?

2. What is the genetic material carried on in eukaryotic cells? _____

3. What are the two main parts of chromosomes?

4. What was the name of the molecule Griffith studied?

5. What strain of pneumonia bacteria was disease causing? _____

6. What part of the chromosome did Avery believe, through his experiments, was responsible for the genetic material?

7. What is a bacteriophage?

8. What two elements did Hershey and Chase use to radioactively label their bacteriophage? _____

9. What was the conclusion of the Hershey Chase experiment? _____

10. What parts make up a nucleotide?

11. What are the two nucleic acids found in living things?

12. Name the two purine bases:

13. Draw the two purine bases:

14. Name the three pyrimidine bases:

15. Draw the three pyrimidine bases:

16. What bases pair with each other according to Chargaff?

17. What was important about photo 51?

18. What are the three important features of Watson and Crick's model?

a. _____

b. _____

c. _____

19. Draw a sketch of Figure 12.18:

20. What does a purine always bind to?

21. What does it mean to be 5' to 3' oriented versus 3' to 5' oriented?

22. Describe a nucleosome:
