

- _____ Ex. _____
24. Multiple Alleles: _____
_____ Ex. _____
25. What is Sickle Cell anemia? _____
26. What are the 2 chromosomes for a male? _____ for a female? _____
27. Who determines the sex of a child mom or dad? _____
28. What is hemophilia? _____
29. What is a sex-linked trait and give examples. _____
- _____
30. Can a daughter have a sex-linked disorder if her father has normal genes for the trait? Explain. _____
31. What is a carrier? _____
- YOU SHOULD BE ABLE TO COMPLETE PUNNET SQUARES FOR MONOHYBRID TRAITS, DIHYBRID TRAITS, SEX-LINKED, CO-DOMINANT, INCOMPLETELY DOMINANT AND MULTIPLE ALLELES!! YOU SHOULD ALSO BE ABLE TO READ A PEDIGREE AND DETERMINE THE GENOTYPES OF THE PEOPLE REPRESENTED IN IT!** (See me if you would like additional practice problems!! Or just redo what you already have in your workbooks on a separate piece of paper.)
32. What is DNA? _____
33. Where in the cell are chromosomes located? _____
34. In what 2 organelles can DNA be found? _____ & _____
35. What 2 scientists established the structure of DNA? _____
36. What scientist is credited as the Father of Genetics? _____
37. What is the shape of DNA? _____
38. What are the base pairs of DNA and how do they "match up"? _____
- _____
39. What is the difference between DNA and RNA? _____
- _____
40. How do some cells become brain cells and others become skin cells, when the DNA in ALL of the cells is exactly the same? _____
- _____
41. Why is RNA necessary to act as a messenger? Why can't the code be taken directly from the DNA? _____
42. What are 3 major ways to damage DNA? _____
- _____
43. What can you do to preven damaging your DNA? _____
- _____
44. What are 3 ways that genetic engineering can be thought of as helpful? _____
- _____