**Research these items for the Chapter 14 QUIZ this Friday February 12. You may use ONLY this on your quiz. You must turn in at the end of the hour of the block day.**

1. **Human female have at least one \_\_\_\_\_ chromosomes while human male have at least one \_\_\_\_ chromosome. Normal males are \_\_\_\_ \_\_\_\_ and normal females are \_\_\_\_ \_\_\_\_.**
2. **Humans have 22 pairs(44 individual) of chromosomes called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a 23rd pair of chromosomes called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
3. **How many chromosomes in a normal human karyotype?**
4. **Colorblindness is more common in males than in females because the gene for colorblindness is \_\_\_\_\_\_\_\_ and located on the \_\_\_\_ chromosome.**
5. **Know how to read a pedigree. Males are \_\_\_\_\_\_\_\_ while females are \_\_\_\_\_\_\_. Horizontal lines indicate \_\_\_\_\_\_\_\_\_ while vertical lines indicate \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Generations are numbered along the \_\_\_\_\_\_ side from \_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_.**
6. **Huntington disease is caused by a \_\_\_\_\_\_\_\_\_\_\_\_\_ gene(allele), while cystic fibrosis, colorblindness, sickle-cell disease and tay-sach are caused by a \_\_\_\_\_\_\_\_\_\_gene(allele).**
7. **The failure of chromosomes to separate during meiosis is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and can result in a person have an extra or missing a chromosome.**
8. **Because the X chromosome contains genes that are vital for normal development, no baby has ever been born without an \_\_\_ chromosome.**
9. **In humans, the \_\_\_\_\_\_\_\_\_\_\_\_’s gamete determines the sex of the offspring.**
10. **A person with Down Syndrome has \_\_\_\_\_\_\_\_ copies of chromosome 21.**
11. **If a couple has 10 girls, what is the probability that the next child will be a girl?**
12. **A(an) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a diagram that follows the inheritance of a single gene through several generations of a family.**
13. **What is Turner’s syndrome?**
14. **What is Klinefelter’s syndrome?**
15. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can be used to examine the number of chromosomes an individual has.**
16. **Be able to construct a pedigree showing the family members you live with.**