**AP BIOLOGY 2019-20 November 15, 2019**

**Today’s Agenda (Day 56)**

1. Homework Check:

🡪 Chapter 13 Vocabulary

🡪 Chapter 13 Notes

🡪 Chapter 14 Vocabulary

🡪 Chapter 14 Notes

1. Class Activity:

🡪 **Cont’d:** **Chapter 13 PPT Review**

1. Section 13.4 – Genetic variation produced in sexual life cycles contributes to evolution

🡪 **BEGIN:** **Chapter 14 PPT Review**

1. Section 14.1 – Mendel used the scientific approach to identify two laws of inheritance
2. Section 14.2 – Probability laws govern Mendelian inheritance
3. Section 14.3 – Inheritance patterns are often more complex than predicted by simple Mendelian genetics
4. Section 14.4 – many human traits follow Mendelian patterns of inheritance

HOMEWORK:

* Read Unit 4 Chapters on Genetics: Chapters 13 - 16
* Study for Chapters 13 & 14 Test

Chapter 13 – Meiosis and Sexual Life Cycles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Anaphase I | Asexual reproduction | Autosomes | Chiasmata | Crossing over |
| Diploid | Gene | Haploid gametes | Homologous | Locus |
| Meiosis | Meiosis I | Meiosis II | Metaphase I | Prophase I |
| Sex chromosomes | Sexual reproduction | Somatic cells | Synapsis | zygote |

Chapter 14 – Mendel and the Gene Idea

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Addition rule | Alleles | Amniocentesis | Carriers | Chorionic villus sampling | Dihybrids |
| Dominant allele | Heterozygotes | Homozygotes | Law of independent assortment | Law of segregation | Monohybrids |
| Multifactorial | Multiplication rule | Pedigrees | Recessive allele | True breeding |  |

REMINDERS:

* **TEST: Ch 13 & 14** 🡪 **November 19**
* **Chapter 13 & 14 Vocabulary Quiz 🡪 November 21**