

Warm - Ups

Week 18

- **Vocabulary: Monday**
 - Alleles – any form of a gene that occurs at a given location
 - Chromosome – Carry the genetic information, humans have 23 pairs
- Features that are inherited from ones parents are called:
 - Genetic Traits
 - Acquired Traits
 - Habits
 - Learned Behaviors
- Organisms that carry two identical genes for a trait are called:
 - Codominant
 - Homozygous
 - Heterzygous
 - Hybrids

- **Vocabulary: Tuesday**
 - Double helix - the spiral arrangement of the two complementary strands of DNA.
 - DNA - plays a central role in protein synthesis, and is responsible for the transmission of hereditary characteristics from parents to offspring
- One cat carries heterozygous, long-haired traits (Ss), and its mate carries homozygous short-haired traits (ss). Use a Punnett square to determine the probability of one of their offspring having long hair.
 - 100%
 - 25%
 - 75%
 - 50%
- What is the probability of one of the offspring having short hair
 - 100%
 - 25%
 - 75%
 - 50%

Quiz Day

- **Get Answer Document**
- **Clear Desk**

- **Vocabulary: Thursday**
 - Gene - the basic physical unit of heredity
 - Heredity - the transmission of genetic characters from parents to offspring
- One flower is heterozygous red (Rr) and it is crossed with a heterozygous red (Rr) plant. Use a Punnett square to determine the probability of one of their offspring having a red color.
 - 75%
 - 25%
 - 50%
 - 100%
- Determine the probability of one of their offspring having a white color.
 - 100%
 - 25%
 - 75%
 - 50%

Quiz Day

- Get out Friday Quiz
- Clear Desk

Friday Quiz

Match the correct term with its definition
(You will not use all the definitions)

Term:	Definition
1. Alleles	a) An organisms observed characteristics
2. Trait	b) The different forms of a Gene, makes up a gene
3. DNA	c) An organisms expressed physical trait
4. Chromosome	d) Made of long bunched up strands of DNA in the nucleus
5. Phenotype	e) A part of a Chromosome that codes for a specific hereditary trait
	f) Made of 4 base pairs, AT and CG