Colegio Metropolitano
Sixth grade ENCINO PINO SAUCE
Science
Miss Alisson Coronado

Knowledge Check 2 - PMA

Name: _____ Score: _____

II Unit – Date: _____Code No. _____

Contents to evaluate: Mendel dominant and recessive, genetics vocabulary

Part 1(4 points each= 40 points)
Instructions: Choose the word that correctly completes the statement. Words may be repeated.

DNA
GENES
TRAIT
ALLELES
RECESSIVE
DOMINANT
GENETICS
HOMOZYGOUS
HETEROZYGOUS
PHENOTYPE
GENOTYPE
CHROMOSOMES
NUCLEUS

1. Brown eyes is a _____ trait over blue eyes.
2. Inside the _____ we can find DNA.
3. _____ traits will hide, and may only appear in the upcoming generation.
4. When two alleles are the same, the trait is _____.
5. The _____ for color of hair is BB.
6. _____ are different forms of a characteristic.
7. The letters or _____ can explain if a trait is dominant or recessive.
8. _____ traits will overcome _____ traits, like dark skin overcomes light skin.
9. _____ control your traits.
10. A _____ is also called hybrid.

LIVEWORKSHEETS

Part 2 (3 points each= 15 points)
Instructions: Choose the word that makes this statement incorrect. Replace it for the right word. Write only the word that makes the statement correct. You can use the vocabulary from the box.

DNA
GENES
TRAIT
ALLELES
RECESSIVE
DOMINANT
GENETICS
HOMOZYGOUS
HETEROZYGOUS
PHENOTYPE
GENOTYPE
CHROMOSOMES
NUCLEUS

1. Homozygous traits will create organisms that can inherit a recessive trait having in its phenotype a dominant trait.

   _____

2. Dominant traits hide in the background, and can only appear in homozygous state.

   _____

3. In the nucleus we can find genetics.

   _____

4. Two alleles used for one trait that are different (Bb) are homozygous. _____
5. The physical appearance of a trait is called a genotype.

   _____

Part 3 (3 points each= 45 points)
Instructions: type what the offspring would look like for the given cross.

Genetics of Pea Plants

Traits	Seed Shape	Seed Color	Seed Coat Color	Pod Shape	Pod Color	Flower Position	Stem Height
Controlled by Dominant Allele	 Round	 Yellow	 Gray	 Smooth	 Green	 Side	 Tall
Controlled by Recessive Allele	 Wrinkled	 Green	 White	 Pinched	 Yellow	 End	 Short

LIVEWORKSHEETS

Practice Example:
Trait: Seed Shape Dominant Allele = Round Recessive Allele = Wrinkled

Crosses:
Round + Wrinkle = Round
Round + Round = Round
Wrinkled + Wrinkled = Wrinkled

Seed Color

Dominant =

Recessive =

Yellow + Green =

Green + Green =

Yellow + Yellow =

Pod Color

Dominant =

Recessive =

Yellow + Yellow =

Green + Yellow =

Green + Green =

Pod Shape

Dominant =

Recessive =

Smooth + Pinched =

Pinched + Pinched =

Smooth + Smooth =

LIVEWORKSHEETS