

Study Guide for 6th grade

Genetics Unit

Test day: 1/16/2020

1. General Genetics Background

- a. Definition
- b. What a scientist who studies genetics is called

2. Sexual vs Asexual Reproduction (how traits/DNA is passed on to offspring)

- a. In plants
- b. In animals

3. Plant & Flower Structures

- a. Names for each structure (male and female parts) AND what their function is

4. Behaviors that lead to survival & reproductive success

- a. Aggression
- b. Sleeping patterns
- c. Mating behavior
- d. other...

5. Gregor Mendel

- a. Who he was
- b. His work w/pea plants

6. Punnett Squares

- a. How to set up
- b. How to solve
- c. How to find the % chance of a specific genotype

7. Types of Inherited Traits

8. Codominance (w/an example)

9. Incomplete Dominance (w/an example)

10. Vocabulary to know:

- a. Dominant
- b. Recessive
- c. Phenotype
- d. Genotype
- e. Heterozygous
- f. Homozygous
- g. Allele
- h. Inheritance