

Heredity Web Quest

On the right menu bar click on number 2 "Genes come in pairs". Then at the ^{top}bottom click on Animation.

Click through the animation and answer the following questions

1. What is a phenotype? _____
2. What are the seven pairs of traits Mendel worked with in pea plants?
a. _____ b. _____ c. _____ d. _____
e. _____ f. _____ g. _____
3. Explain what Mendel reasoned from the existence of yellow and green seed colors

4. What is an allele? _____
5. What is a genotype? _____
6. If a pea plant has the two alleles YY. What is its phenotype? _____
What is its genotype? _____

On the right menu bar click on number 3 "Genes don't blend". Then at the ^{top}bottom click on Animation.

Click through the animation.

2. What observations did Mendel make and what problem did he have to solve?

On the right menu bar click on number 4 "~~Genes don't blend~~". Then at the bottom click on Animation. ^{"Some Genes are Dominant"}

Click through the entire animation. Answer the following using the type of diagram that is found in the animation

1. Diagram the cross & offspring between pure-bred green with pure-bred yellow.

