


# M08 Game Day

Wednesday, August 25, 2010  
7:39 AM

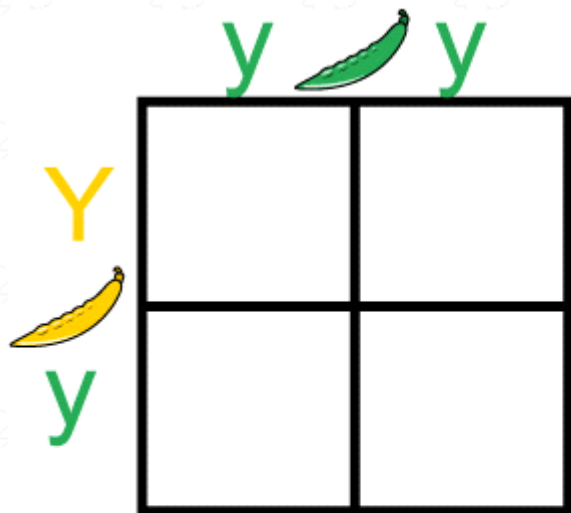
Slide	Notes
<p data-bbox="253 447 672 506"><u>\$100</u> <u>\$200</u> <u>\$300</u> <u>\$400</u> <u>\$500</u></p> <p data-bbox="756 447 1175 506"><u>\$100</u> <u>\$200</u> <u>\$300</u> <u>\$400</u> <u>\$500</u></p>  <p>The image shows a Jeopardy! game board grid. The top row has two columns labeled 'L1' and 'L2', followed by a blank space. The grid below has five rows and three columns. The values are: Row 1: \$100, \$100, blank; Row 2: \$200, \$200, blank; Row 3: \$300, \$300, blank; Row 4: blank, \$400, blank; Row 5: blank, \$400, blank.</p>	
<p data-bbox="272 1356 708 1528">What special title has been given to Mendel, after his death, that distinguishes his contributions to genetics?</p> <p data-bbox="237 1549 570 1581">Answer - Father of Genetics</p> <p data-bbox="256 1665 1187 1745">In sexual reproduction, each parent contributes _____ of its alleles to the offspring.</p> <p data-bbox="256 1780 418 1839">Choose one answer.</p> <ul data-bbox="444 1780 1187 1875" style="list-style-type: none"><li data-bbox="444 1780 1187 1822"><input type="radio"/> a. All of <span style="color: red;">x</span></li><li data-bbox="444 1822 1187 1875"><input checked="" type="radio"/> b. One of <span style="color: green;">✓</span> <span style="float: right;">Correct!</span></li></ul>	

An allele is one of a pair of genes that occupies the same position on a \_\_\_\_\_ chromosome.

Choose one answer.

- a. heterozygous ✗
- b. homologous ✓ Correct
- c. analogous ✗

What genotypes goes in each part of the Punnet square?



top left

Yy ✓

top right

Yy ✓

bottom left

yy ✓

bottom right

yy ✓

Concentrating on only one definable trait in a cross between two individuals is referred to as observing a/an \_\_\_\_\_ cross.

Choose one answer.

- a. dihybrid ✗
- b. monohybrid ✓ Correct

A/An \_\_\_\_\_ allele will not determine the phenotype in an organism unless the genotype of that organism is homozygous for that allele.

Choose one answer.

- a. dominant ✗
- b. recessive ✓ Correct

A genetic disease carrier is a person who is \_\_\_\_\_ in a recessive genetic disorder.

Choose one answer.

a. heterozygous ✓

Correct

b. homozygous ✗

Diagrams that follow a particular species' phenotype through several generations are called \_\_\_\_\_.

Choose one answer.

a. pedigree ✓

Correct!

b. genotype ✗

c. phenome ✗

d. karotype ✗