

# Chapter 11 and 14

**THIS**

**IS**

**Jeopardy**

**With Your**

**Host...**

**Mr. Man**



**JEOPARDY!**

Key

Vocabulary

# Mendel's Experiment

# Monohybrid Crosses

# Other Crosses



# Meiosis

# Human Chromosomes and Heredity

Key  
Vocabular

Mendel's  
Experiment

Monohybrid  
Crosses

Other  
Crosses

Meiosis

Human  
Chromosomes  
and Heredity

\$100

\$100

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\$500



Having 2 different  
alleles for a particular  
trait.

What is  
heterozygous?

The genetic make  
up of an organism.

What is  
genotype?

Containing both sets of  
Homologous Chromosomes

$2N$ .



What is  
diploid?

Different forms  
of a gene.

What is  
an allele?

Cells involved in sexual  
Reproduction (sperm or egg).

What are  
Gametes?

An allele that is  
always expressed  
or seen is  
called this.

What is  
dominant?

A true-breeding tall plant crossed with a true-breeding short plant results in an offspring with this genotype.



What is  
heterozygous  
Tt?

When Mendel had the  
F1 generation self-  
pollinate, this % of  
the offspring were  
homozygous recessive.

What is  
25%?

Cross between 2 heterozygous

Parents would have a genotypic

Ratio of

What is

1:2:1?

The offspring that results from crossing parents with different traits are called this.

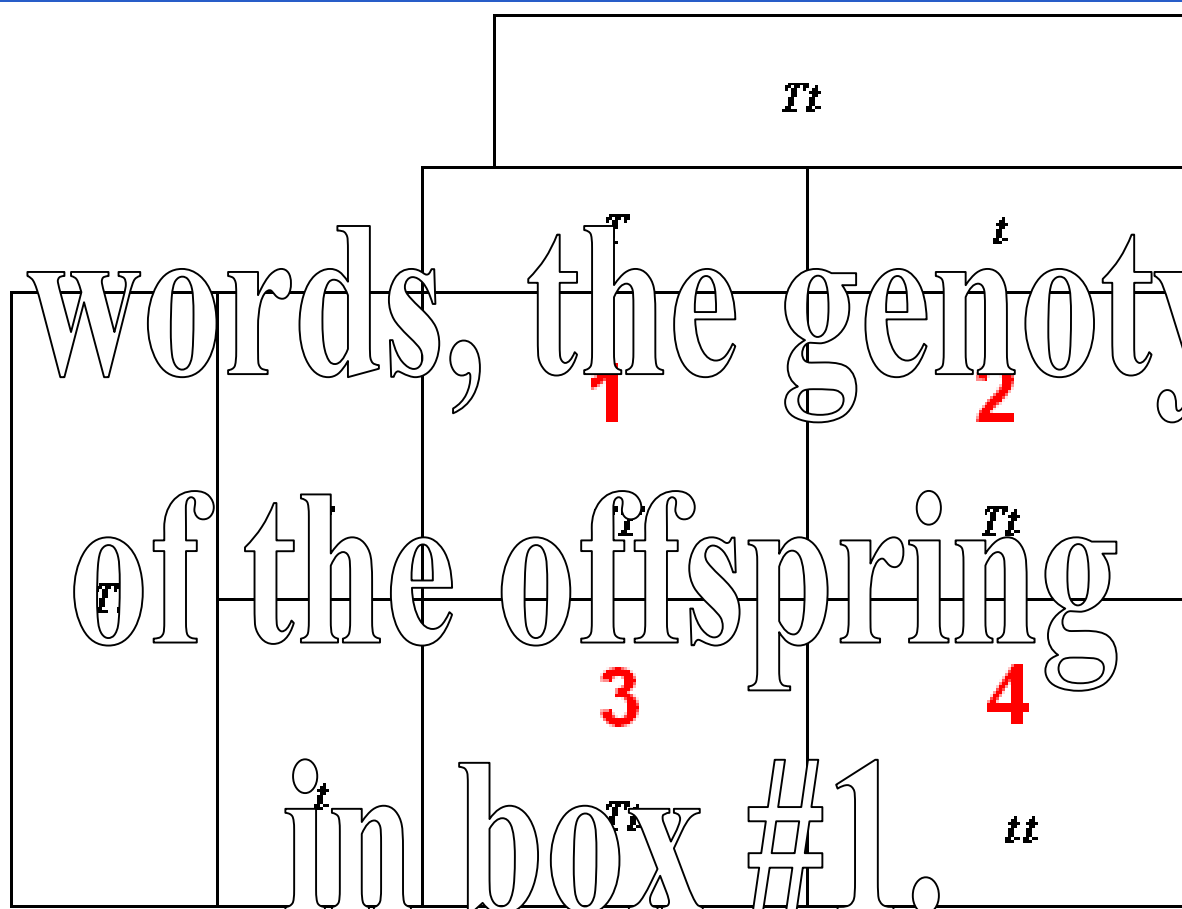
What are  
hybrids?

The tool geneticists use to determine the probability a genotype or phenotype will appear in an offspring is called this.



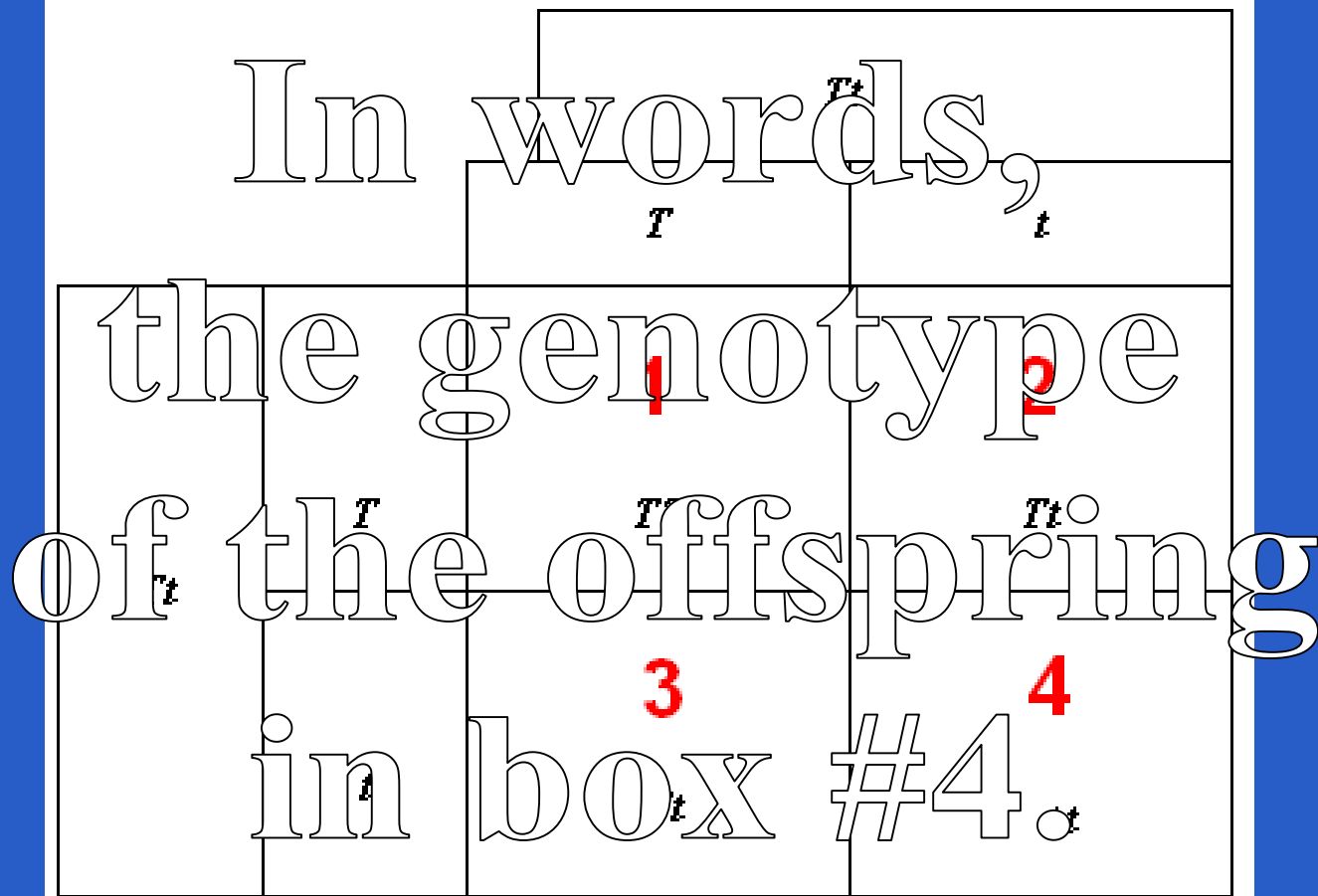
What is a  
Punnett  
Square?

In words, the genotype  
of the offspring  
in box #1.



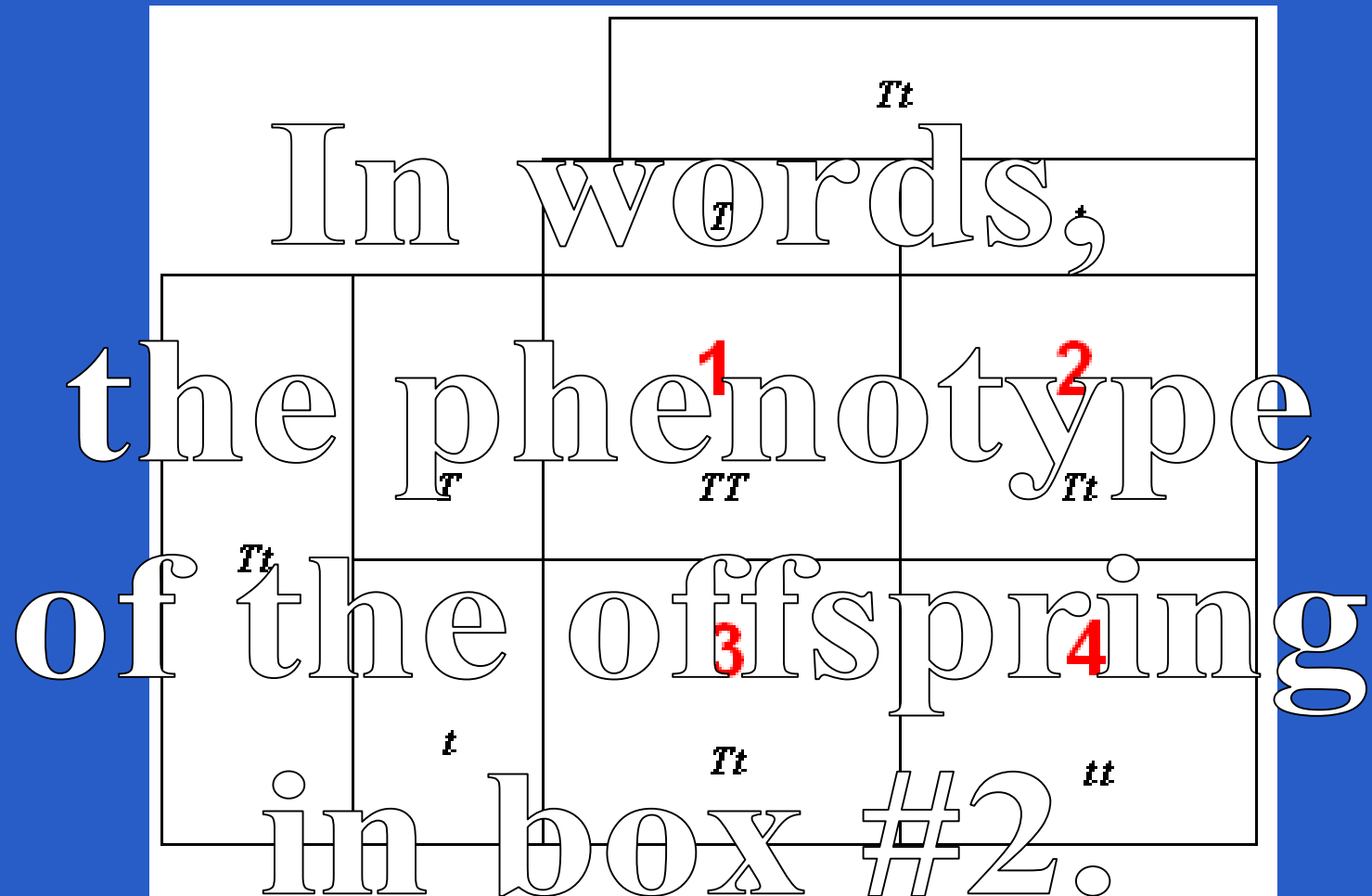
$T$	=	<i>Tall</i>
$t$	=	<i>Short</i>

What is  
homozygous  
Tall  
TT?



$T$	=	<i>Tall</i>
$t$	=	<i>Short</i>

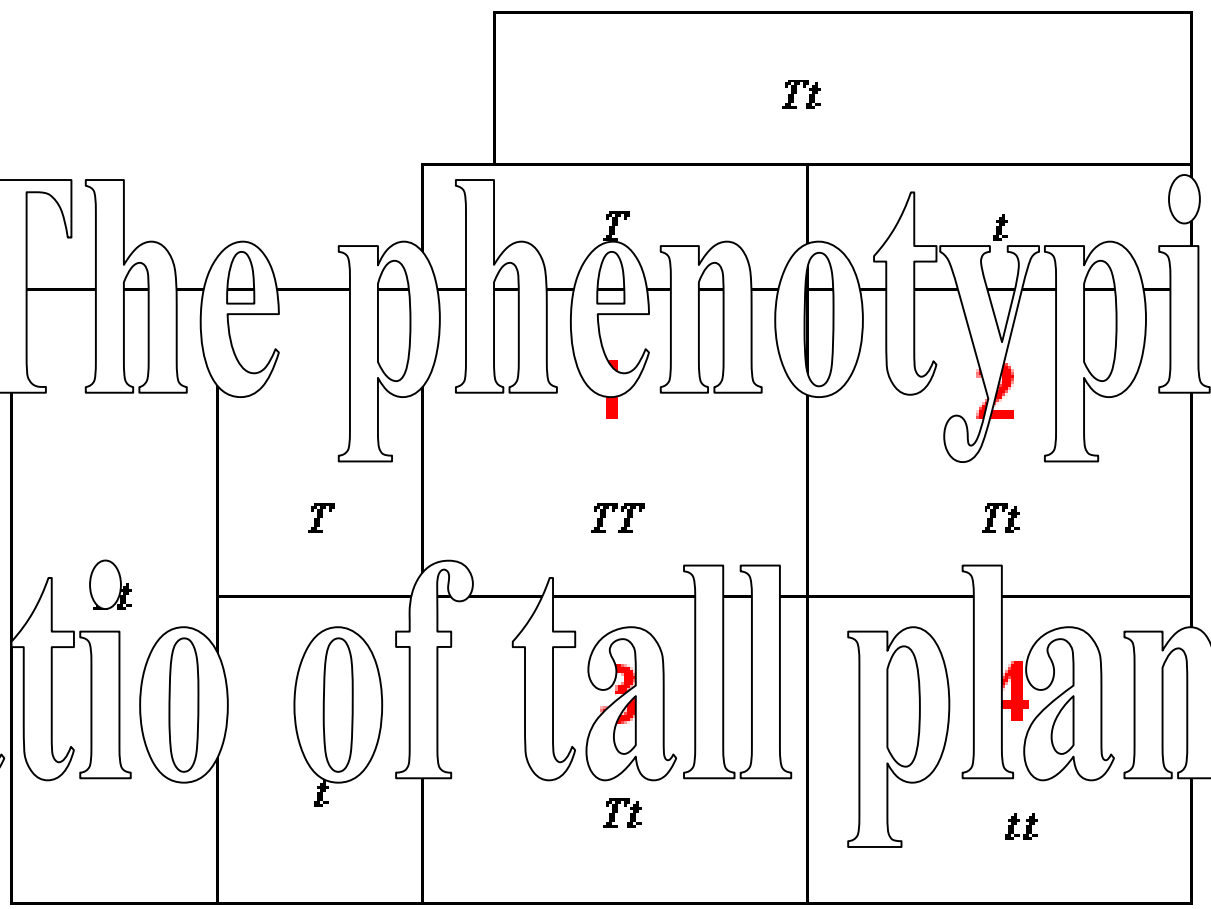
Type  
Subject 3  
\$300 Question  
Here



<i>T</i>	=	<i>Tall</i>
<i>t</i>	=	<i>Short</i>

What is  
tall?

The phenotypic ratio of tall plants.



<i>T</i>	=	<i>Tall</i>
<i>t</i>	=	<i>Short</i>



What is

$\frac{3}{4}$  or

75%?

This principle shows  
When crossing 2 traits  
At the same time. They separate  
During meiosis

What is the  
Law of  
Independent  
Assortment?

Traits controlled  
by 2 or more genes  
are called this.

What are  
polygenic  
traits?

Crossing a red flower  
with a white flower  
produces a pink flower  
is an example of this.

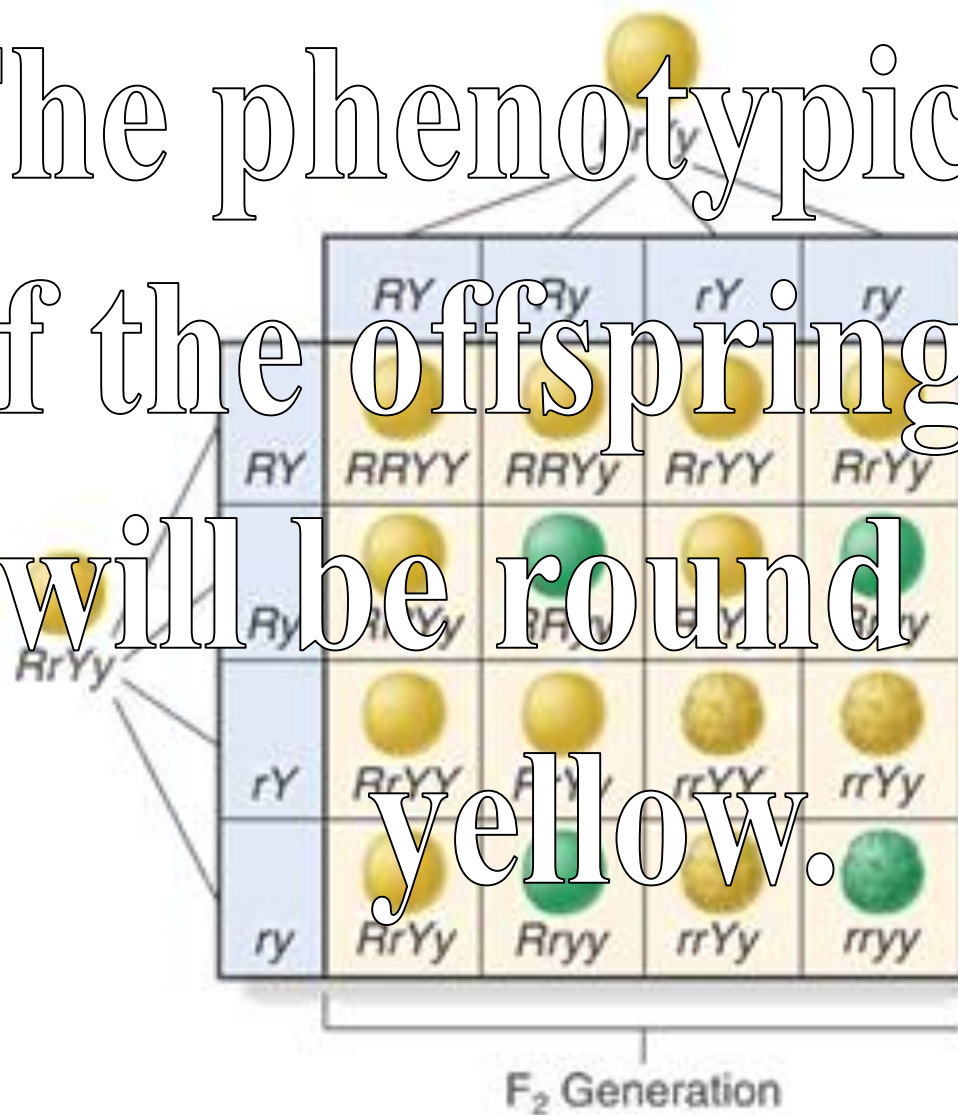
What is  
incomplete  
dominance?

Crossing a black fur cow with a white fur cow produces a white cow with black spots is an example of this.



What is  
codominance?

The phenotypic ratio of the offspring that will be round and yellow.



What is  
9/16?

Gametes are considered

N which means.

What is  
haploid?

When both traits are  
shown

What is  
Co-dominance?

When homologous  
Chromosomes separate.



What is  
Meiosis 1?

When Chromatids  
separate.

What is  
Meiosis 2?

Daily

Double!!!

Considered  
The father of  
Genetics.

Who is  
Mendel?

The number of  
chromosomes  
humans have.

What is  
46?



The number for  
haploid in a  
human gamete.

What is  
23?

The sex  
chromosomes  
of a male.

What are  
X and Y?

The parent who  
Determines the  
Sex of the offspring.

Who is  
daddy?

The time of meiosis

When crossing over occurs

What is prophase 1

Or

Meiosis 1