

# #Week 2 Reading##

## 22.3 & 22.4

### Darwin's Postulates:

- Variation exists among individuals in a population
- Some trait differences are heritable
- Survival & reproductive success are highly variable
- Subset of individuals that survive best is not a random sample of the population

## 14.1 & 14.2

Phenotype = Observable characteristic

Genotype = Alleles of particular genes

Monohybrid Cross = two Parents with two different genetic determinants of the same trait

Model organism: Easy to work on  
& applicable to other species

14.4

Locus - position of alleles on a chromosome

wild type = common phenotype

Traits can be linked to sex chromosomes (X & Y)

	$Z^{FR}T$	$Z^{FR}t$	WT	Wt
$Z^{FR}T$				
$Z^{FR}t$				
$Z^{FR}T$				
$Z^{FR}t$				

$Z^{FR}T Z^{FR}Tt : 4$   
 $Z^{FR}T Z^{FR}tt : 4$   
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 $Z^{FR}W tt : 4$

	$Z^{FR}T$	$Z^{FR}t$	WT	Wt
$Z^{FR}T$	$Z^{FR}Z^{FR}$ $Tt$	$Z^{FR}Z^{FR}$ $tt$	$Z^{FR}W$ $Tt$	$Z^{FR}W$ $tt$
$Z^{FR}t$	$Z^{FR}Z^{FR}$ $Tt$	$Z^{FR}Z^{FR}$ $tt$	$Z^{FR}W$ $Tt$	$Z^{FR}W$ $tt$
$Z^{FR}T$	$Z^{FR}Z^{FR}$ $Tt$	$Z^{FR}Z^{FR}$ $tt$	$Z^{FR}W$ $Tt$	$Z^{FR}W$ $tt$
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