

Happy Thursday!

Bell Work

1. What blood type is the universal donor?
2. What blood type is the universal receiver?
- 3-4 A man with $i^B i^A$ blood marries a lady with $i^B i$ blood what are the possible genotypes and phenotypes of their children. Please show punnett square.

Today in class:

1. Single Trait Number
2. Looking at Pedigrees
3. HW – Look at one trait for your family and draw a small pedigree.
4. Quiz online tomorrow

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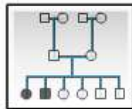
35 Interpreting Info. In a Pedigree 2/6

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Human Pedigree Analysis

Humans suffer from many types of genetic disorders. Some disorders, such as cystic fibrosis, are recessive; a person must have two copies of the gene in order to be affected. A person with just one copy of a mutated cystic fibrosis gene is called a "carrier," but is unaffected by the disease. Other disorders, such as Huntington's disease, are dominant; a person needs only one copy of the mutated gene in order to be affected. By constructing a kind of family tree, called a pedigree, a researcher can often determine whether a genetic disorder is recessive or dominant. Pedigrees also help sort out whether a mutated gene is located on an autosome or a sex chromosome.

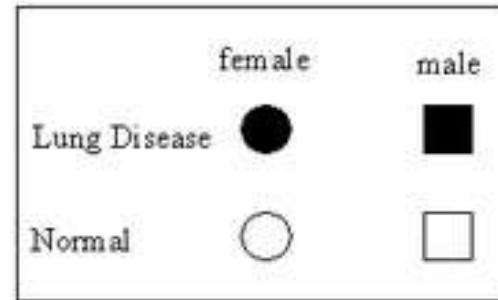


ACTIVITY

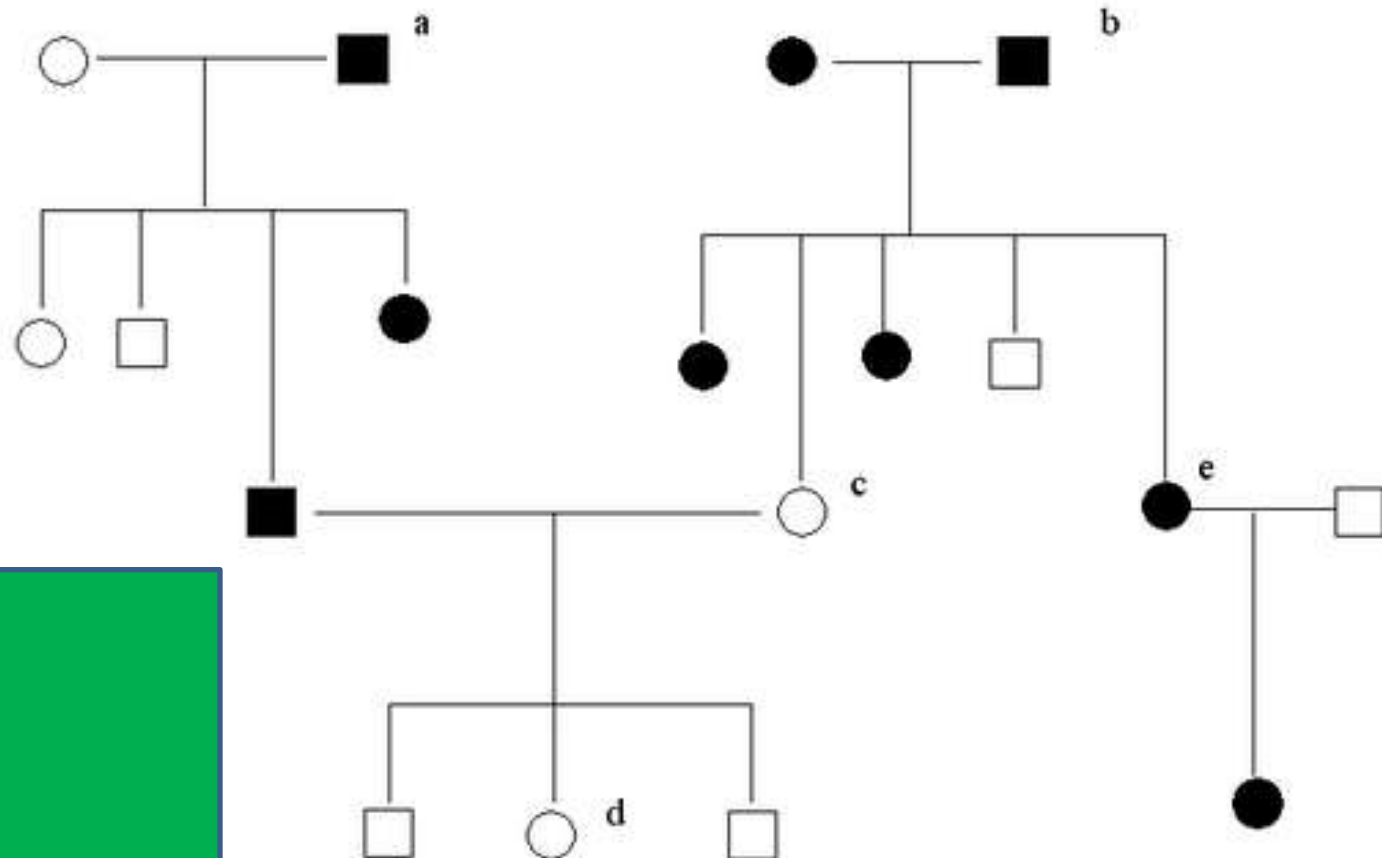
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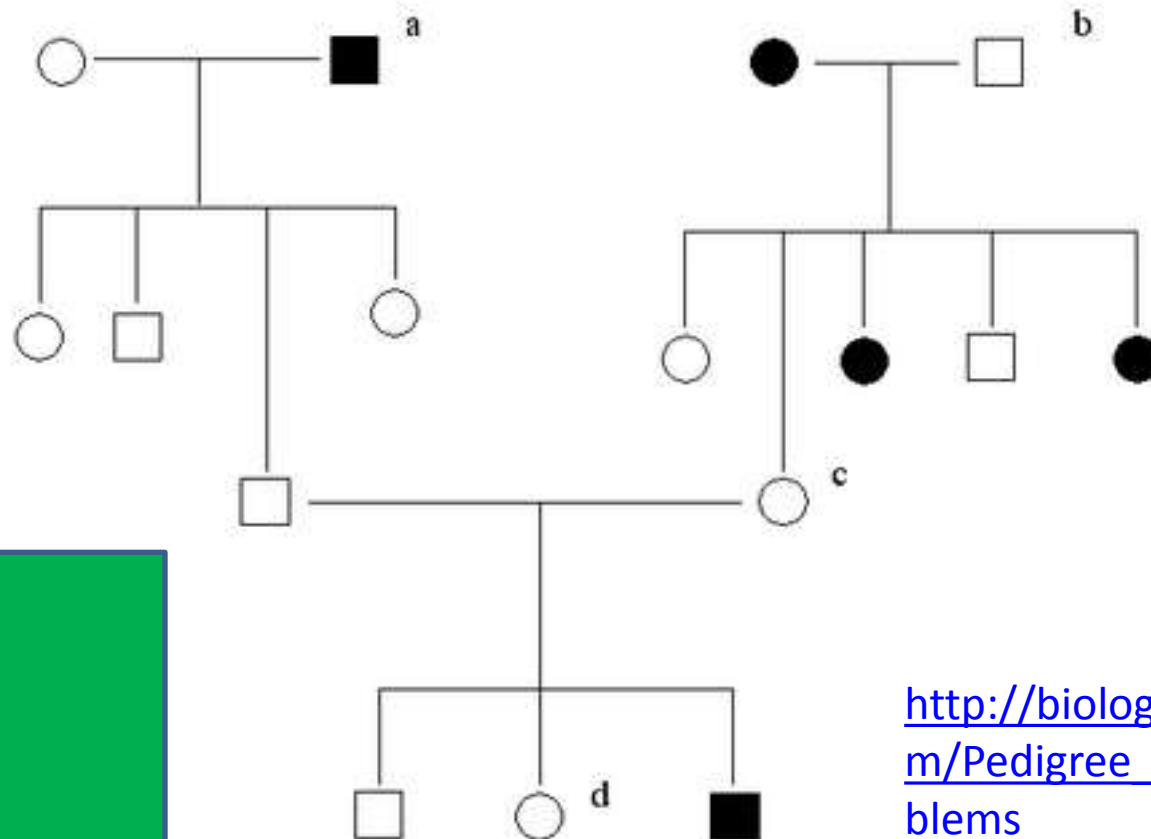


http://biology.j3science.com/Pedigree_Practice_Problems



Key:

	female	male
Lung Disease	●	■
Normal	○	□



http://biology.j3science.com/Pedigree_Practice_Problems

Other pedigree sites

- <http://geneticswithmrsscott.weebly.com/pedigree-quests.html>