



## Pedigrees Practice - Human Genetic Disorders

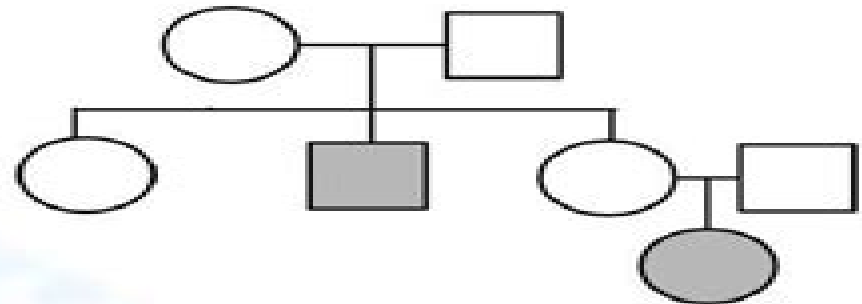
In humans, **albinism** is a recessive trait. The disorder causes a lack of pigment in the skin and hair, making an albino appear very pale with white hair and pale blue eyes. This disorder can also occur in animals, a common albino found in a laboratory is the white rat. The pedigrees below trace the inheritance of the allele that causes albinism.



1. Given the following genotypes, describe the phenotypes (normal or albino)

AA = \_\_\_\_\_  
 Aa = \_\_\_\_\_  
 aa = \_\_\_\_\_

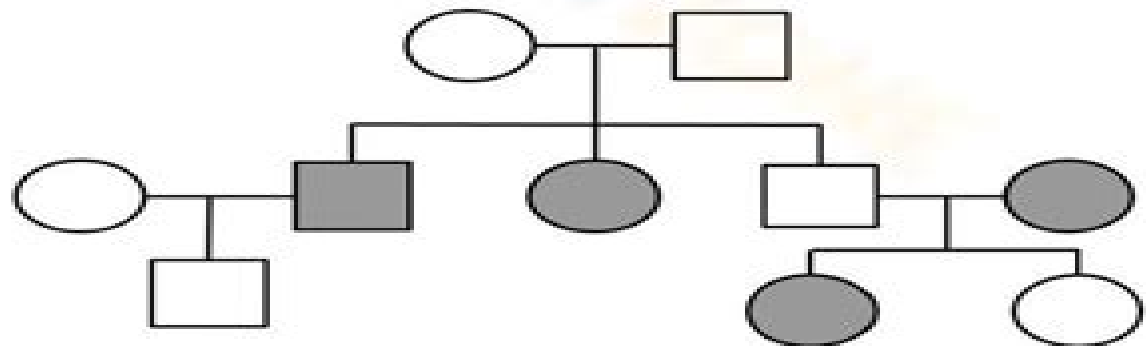
Fill out the blanks on the pedigree →



- How many children does the couple have?
- What is the sex of the oldest child?
- How many grandchildren does the couple have?

2. Fill out the blanks of the pedigree (AA, Aa, or aa).

- How many children did the original couple have?
- How many grandchildren?
- How many of their grandchildren are albino?



- Create an extension to the pedigree to show the albino granddaughter marrying and having a son who is NOT albino.

# Genetic Pedigree Worksheet Answers

**Jeffry Shultz**

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the author's name.

## Genetic Pedigree Worksheet Answers:

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