

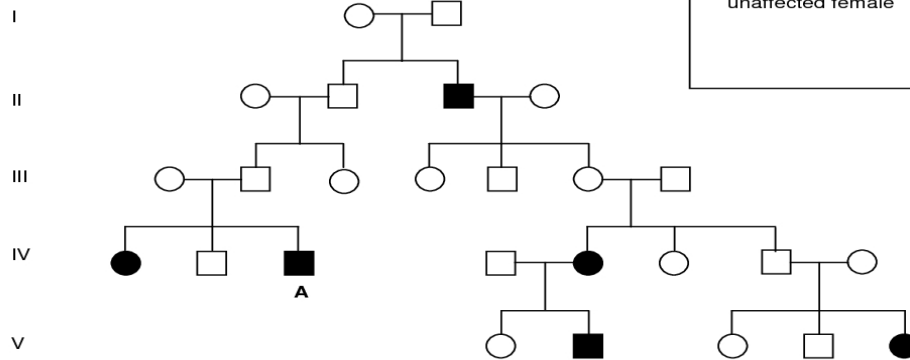
Associate Program Material

Genetics Worksheet

Review the images below and answer the follow-up questions.

Pedigree showing inheritance of cystic fibrosis

Generation



Key:

- male affected with cystic fibrosis
- unaffected male
- female affected with cystic fibrosis
- unaffected female

Questions:

1. According to the pedigree, is cystic fibrosis inherited as a dominant or as a recessive trait? Explain how you made your conclusion using evidence from the pedigree and the principles of genetics.
2. What would a Punnett square that shows how the son in generation IV (marked with an **A**) inherited cystic fibrosis look like?