

American Chestnut Video Review

Define the following terms:

a.Niche:

b.Extirpation:

c.Species:

d.Using the terms to explain what happened as a result of the loss of the American chestnut.

List and explain the **4 economic values** of the American chestnut.

The American chestnut produces a stable **mast**. Explain this statement and the highlighted term.

Historically, this tree composed approximately _____ of the Appalachian forests.

The chestnut blight is an **invasive** and **parasitic pathogen**. Explain the **highlighted** terms *and* how the American chestnut was impacted.

The American chestnut has been cross bred with the Chinese chestnut. Explain the 1st and 2nd crossing steps and why these crossings were done. Use the terms **genome**, **hybrid**, and **domesticated**.

Another area of research involves **transgenics**. Explain this area of research. Use the terms **bacteria, enzyme, catalyst, gene, oxalate oxidase**.