

Name _____

Date _____

Print-and-Go™

<http://gslc.genetics.utah.edu>



P.I. Pedigree Investigator

On the Case of
Nicotine Addiction

Imagine you are an investigator looking for genes that influence nicotine addiction. Log on to: <http://gslc.genetics.utah.edu/units/addiction> and click on *EXPLORE! PI: Pedigree Investigator, On the Case of Nicotine Addiction*. Complete the activity to gather information for your study.

View the video interviews, written surveys, and official records for the Marshall family. Fill in the chart below with the appropriate symbol for each family member. Be sure to record any risk factors that are discussed as well.

Risk factors for the Marshall family may include:

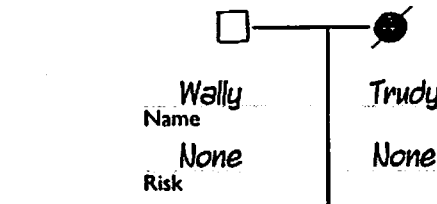
- Depression
- Attention Deficit Hyperactivity Disorder (ADHD)
- Engaging in risky behavior
- None

Symbol Key:

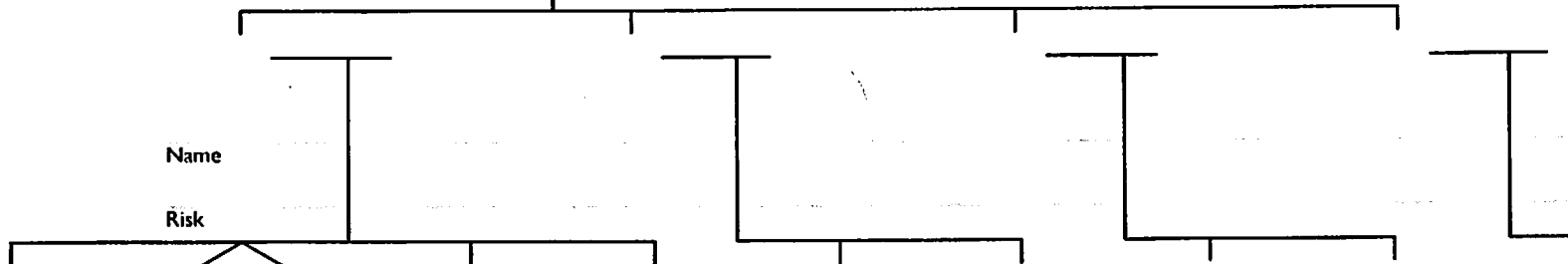
- | | | | |
|---|-------------|--|---------------------------------------|
| <input type="checkbox"/> | Male | I <input type="checkbox"/> <input type="circle"/> | A family:
I and II are generations |
| <input type="circle"/> | Female | II <input type="circle"/> <input type="checkbox"/> | Children are shown in
birth order |
| <input checked="" type="checkbox"/> | Affected | <input type="checkbox"/> <input type="checkbox"/> | Non-identical twins |
| <input checked="" type="checkbox"/> <input checked="" type="circle"/> | Deceased | <input type="checkbox"/> <input type="checkbox"/> | Identical twins |
| <input type="checkbox"/> <input type="circle"/> | Two parents | | |

Pedigree Chart:

I



II



III

Name

Risk