

Name: _____ Period: _____ Date: _____

Family Pedigree Project

Directions: You are to select one of the traits below and construct a family pedigree displaying that trait. The pedigree should go back at least two generations (a.k.a your grandparents). If for any reason you are unable to attain the information for any your family members, one may be made up as long as it is consistent with your other findings.

Guidelines:

- Each generation should be labeled with Roman numerals (I, II, III...) and each person within a given generation should be labeled with Arabic numerals (1, 2, 3...)
- Genetic trait being displayed should be clearly stated on the pedigree
- The pedigree should give you the ability to determine inheritance patterns of the trait (whether it is dominant or recessive)
- Refer to your notes and the sample pedigrees from the worksheets if needed
- The pedigree should be on something bigger than a piece of paper (half the size of a poster board would be fine)

Genetic Traits:

Cleft Chin (Button Chin)

Widows Peak (Hairline comes to a point)

Presence of Dimples

Attached/Unattached Earlobes (Earlobes hang free or are attached to side of head)

Ability to Roll Tongue

Mid-Digit Finger Hair (Hair on the middle section of the finger)

Hitch-hiker's Thumb (Thumb curls back when extended)

Interlaced Fingers (When hands are interlaced, which thumb is on top)

Tendons of Palmar Muscle

Freckles

PTC Taster (Ability to taste PTC paper)

Hemophilia

Color Blindness

You may choose another trait, as long as you ask me first.