

# Find Your Roots

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We are presented with a family tree showing selected ancestors of a person, and are asked to figure out their name.

We are given the names of every person with no ancestors in the tree, and two others have been filled in for us. From these, we must extract the naming conventions of this family.

We can notice that each person has the nose of one parent and the eyes of another. We also notice that their teeth seem to be important (the people with given names are not showing their teeth in their pictures). Eventually, we might figure out the rules:

- Consonants pass from parent to child with their eyes.
- Vowels pass from parent to child with their nose.
- Teeth specify which letters in particular are passed down (the first tooth with the first letter of that type in the parent's name, etc.):
  - Consonants are specified by upper teeth.
  - Vowels are specified by lower teeth.
  - Broken teeth mean that a letter is not passed down to the child.
- Each child's name is a common English word which is an anagram of the resulting letters, and is clued (vaguely) by something in their picture.

From these rules, we get the following names:

Consonant Parent	Vowel Parent	Child
Equation	Scotland	Education
Book	Clash	School
Interstellar	National	Translator
Long	Measure	League
Education	School	House
Equivalent	Translator	Literature
Tranquilizers	League	Quarters
House	Stronghold	Drought
Literature	Quarters	Square
Drought	Square	<b>DAUGHTER</b>

And the final solution: **DAUGHTER**