Why Mendel Succeeded

- People noticed that kids look like their parents many, many generations years ago.
- Took till the ________________ for anyone to make sense of inheritance!

Gregor Mendel:

__________________ Monk

Studied heredity- ____________________

 o Traits: ____________________________
 o Genetics: ____________________________

__________________ - the branch of biology that studies heredity

Steps to Success:

1. Choose subjects (____________________) carefully
   Mendel took a pea in the garden. Why were the peas such a good subject?
   a. Reproduce ____________________ - produce male and female

   i. Male pollen, female egg
   ii. Fertilization: __________________
   iii. Zygote: ______________________
   iv. Pollination- ____________________

   b. Self-pollination: when male and female gametes from same plant
    unite
   i. Both male and female gametes found on same plant
   ii. When want “cross-fertilization”- __________________