Lesson 5 How Do Instructions from Our Parents Get Inside Us?

Activity 5.1: How do I get new cells?

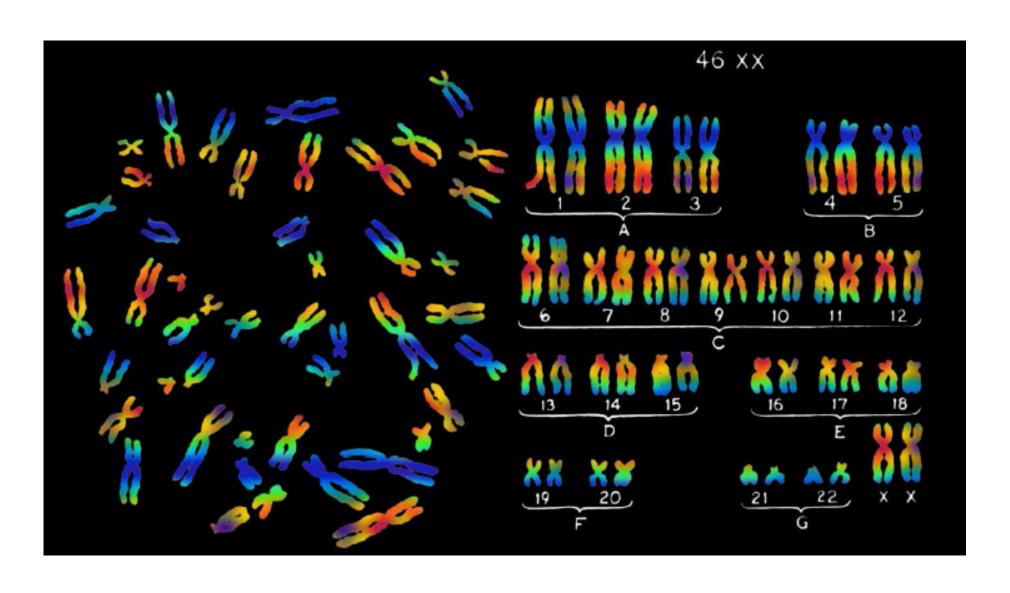
Activity 5.2: How can parents produce offspring with different traits?

Reading 5.2: Discovering the source

IQWST Life Science PI: From Cell to DNA

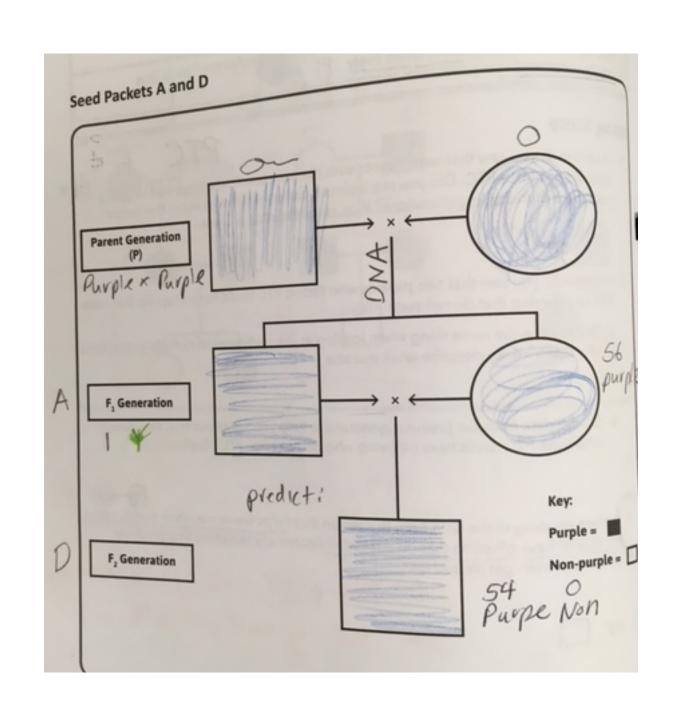


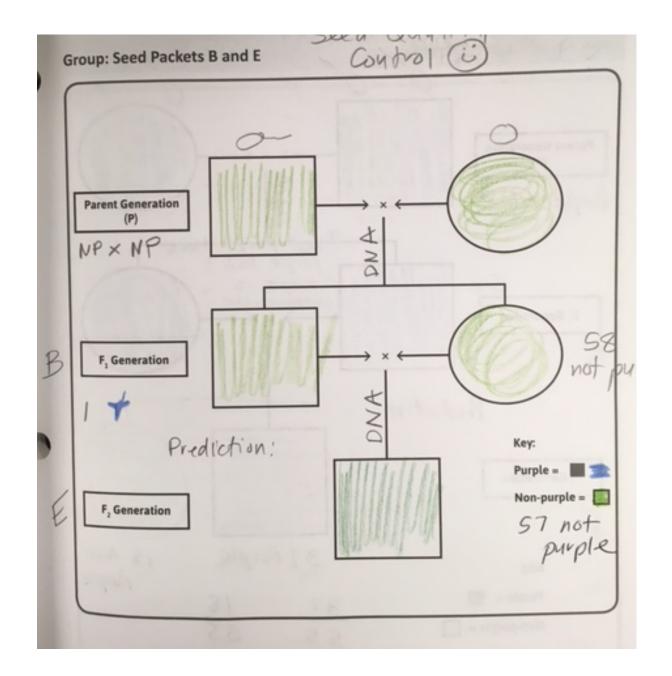
Karyotypes

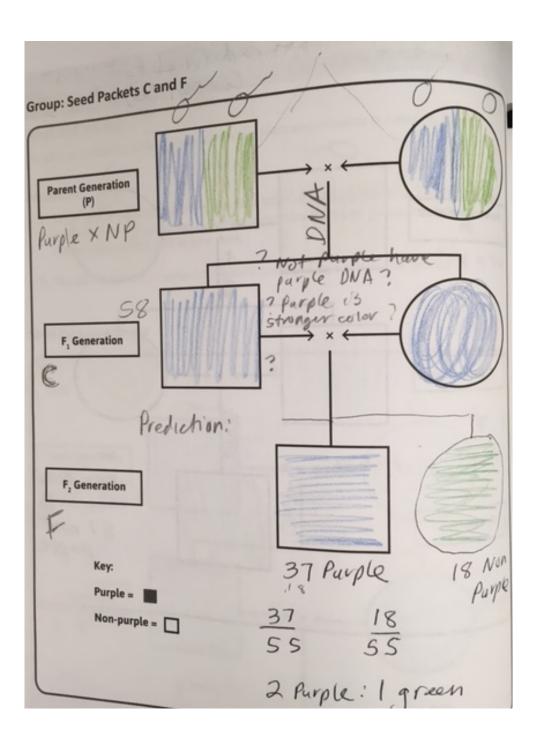


Wisconsin Fast Plants Have 20 chromosomes

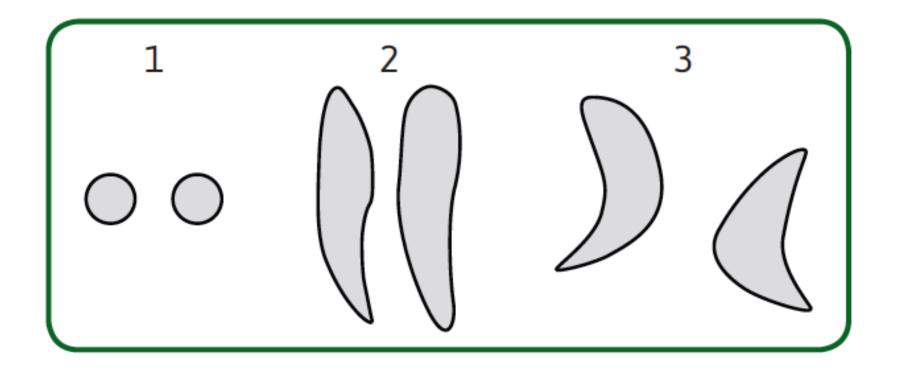
What would the karyotype look like?



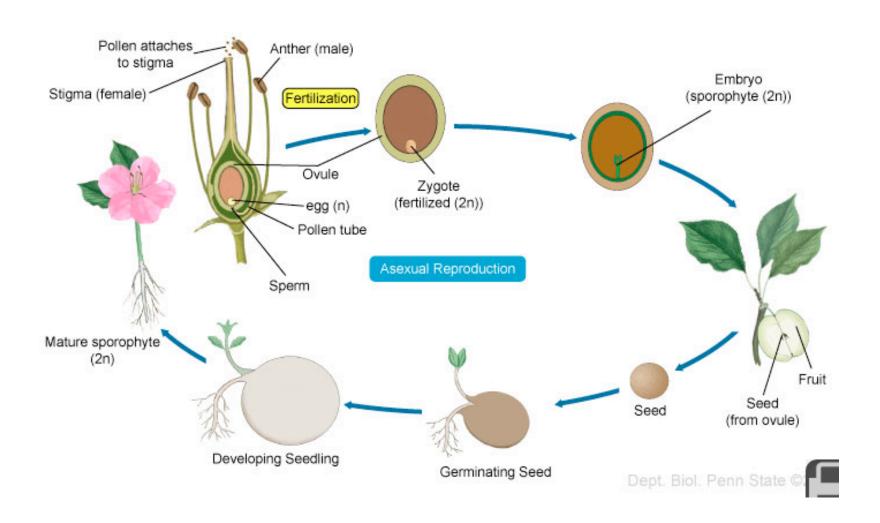


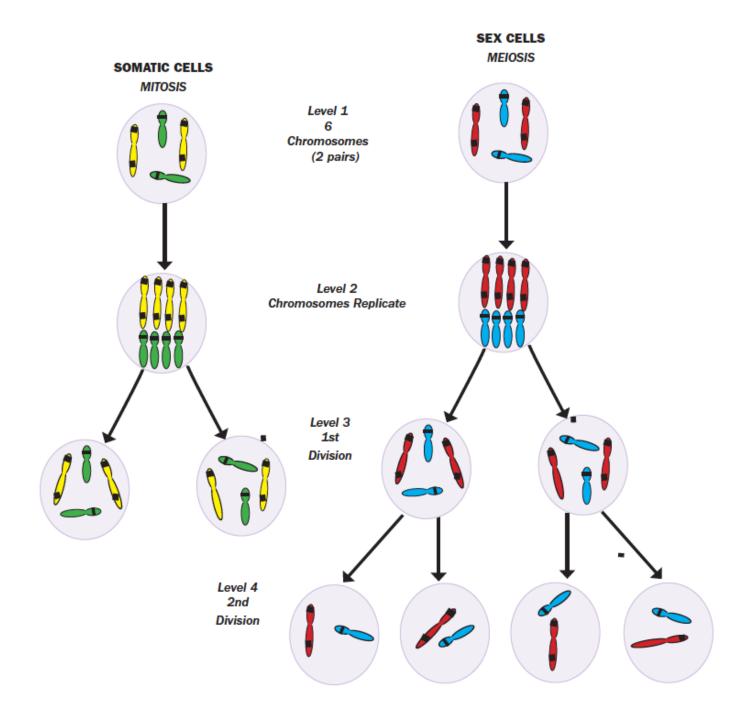


Plant Chromosomes



Sperm and Egg?

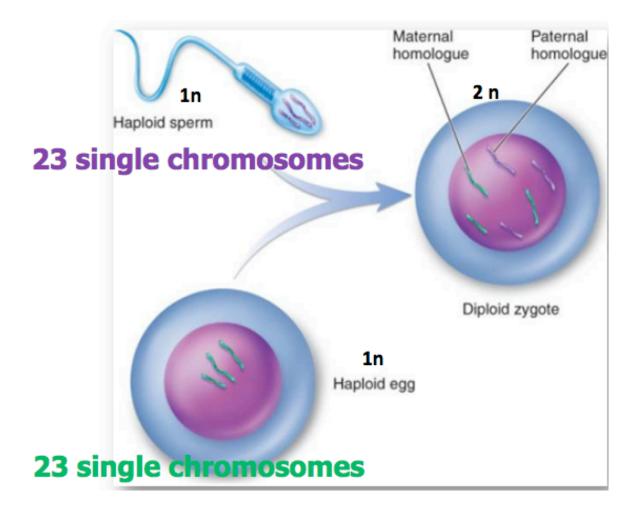




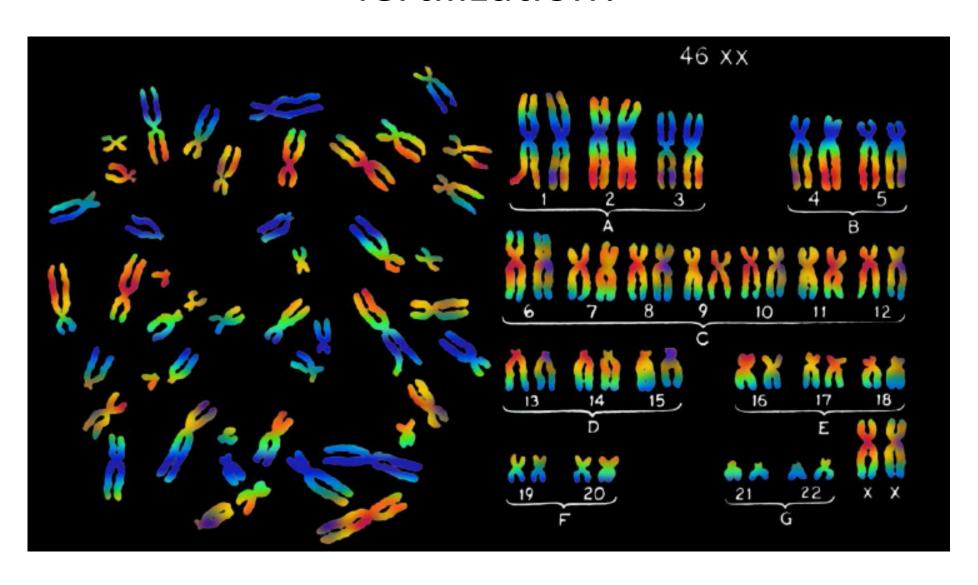
Video clips—Mitosis and Meiosis

- https://www.youtube.com/watch?
 v=Ba9LXKH2ztU watch 1 minute
- https://www.youtube.com/watch?v=-DLGfd-Wpr4 watch first 2 minutes
- https://www.youtube.com/watch?
 v=jjEcHra3484 watch first 1 minute

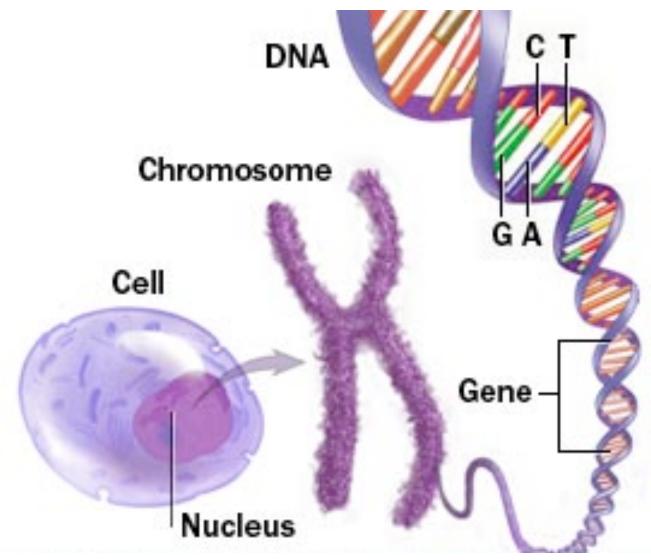
Fertilization



How many chromosomes AFTER fertilization?



Gene



http://www.mayoclinic.org/tests-procedures/genetic-testing/multimedia/genetic-disorders/sls-20076216?s=1

Gene for Stem Color

