

## Lesson 5

# **How Do Instructions from Our Parents Get Inside Us?**

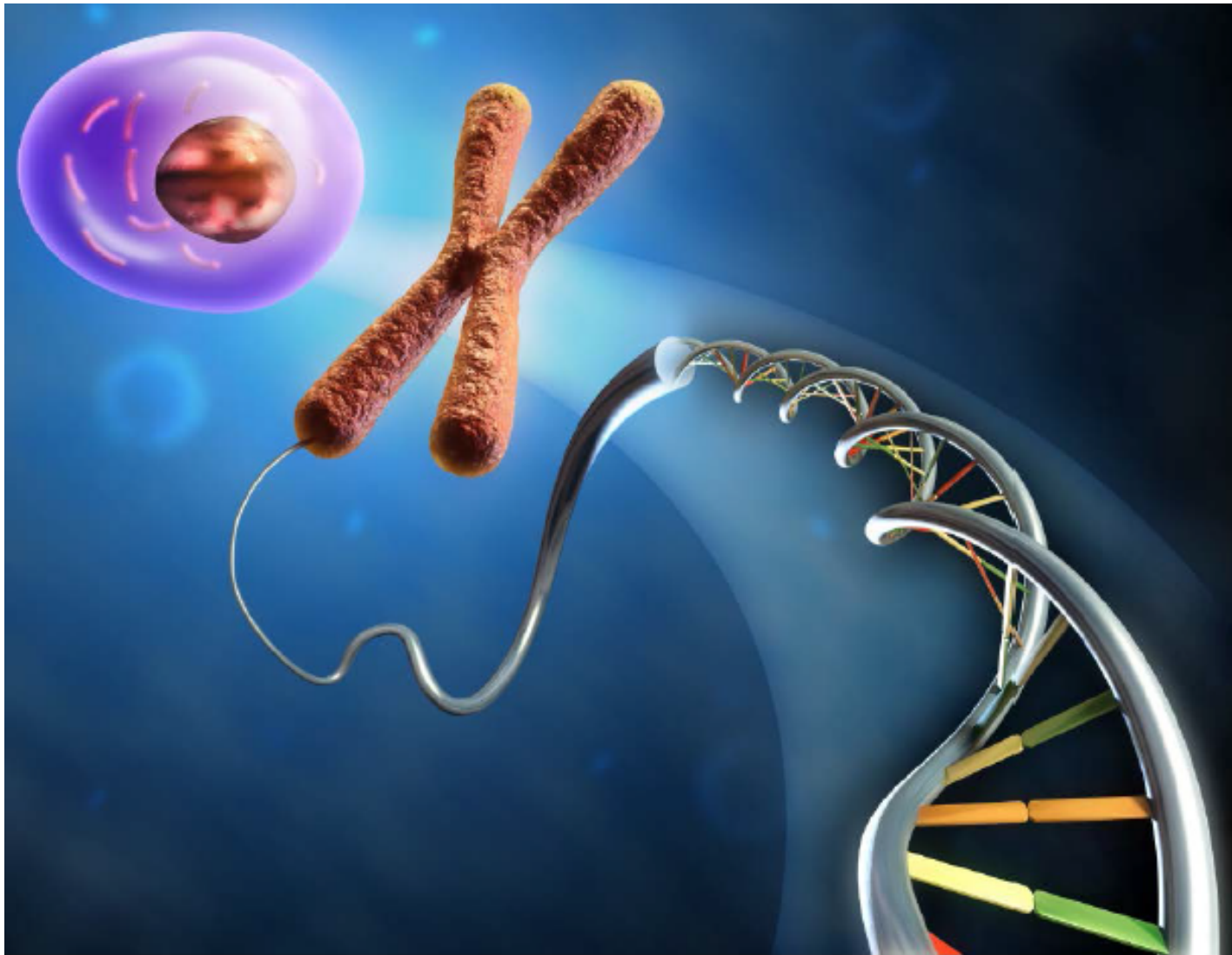
Activity 5.1: How do I get new cells?

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

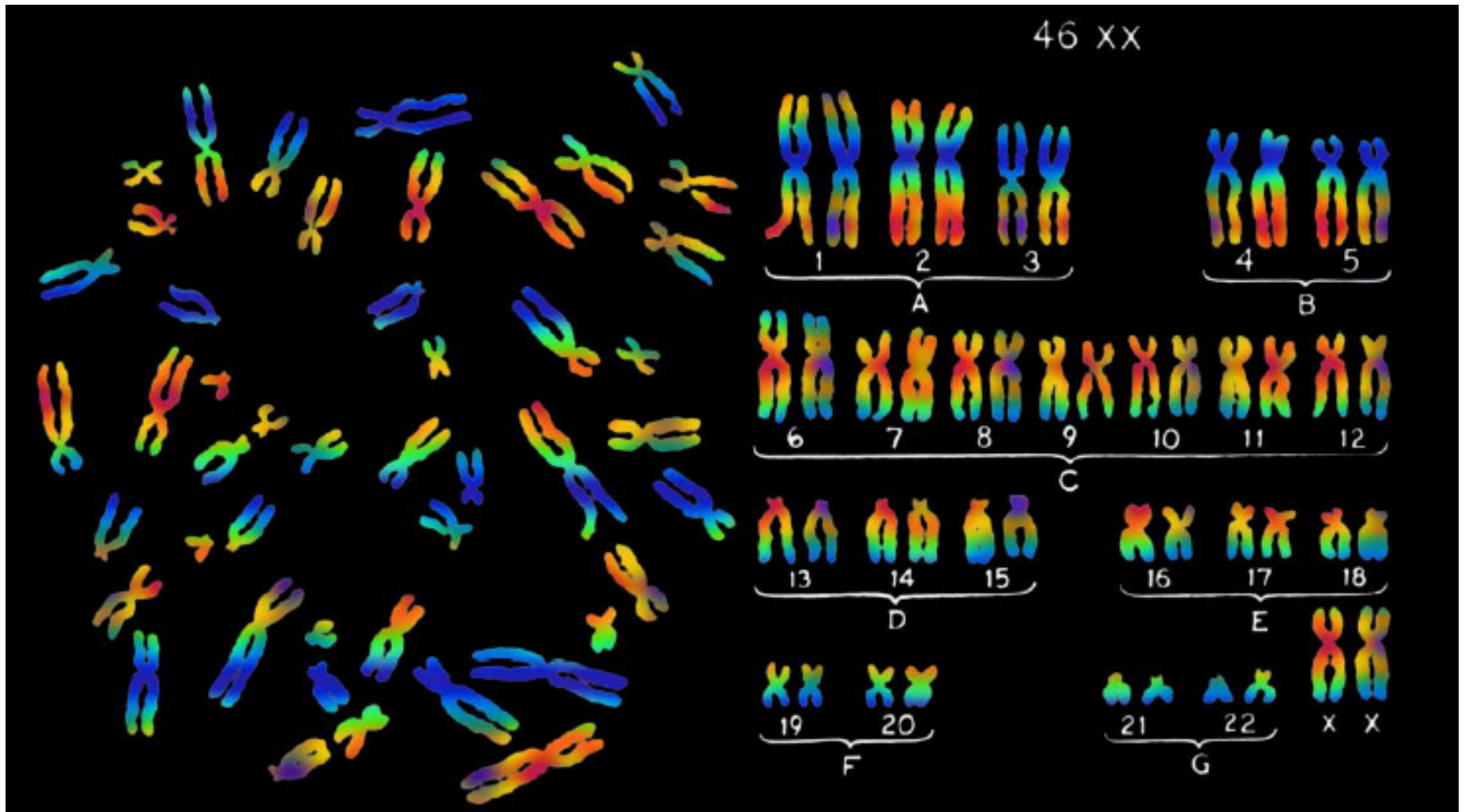
Reading 5.2: Discovering the source

# **IQWST Life Science**

## **PI: From Cell to DNA**



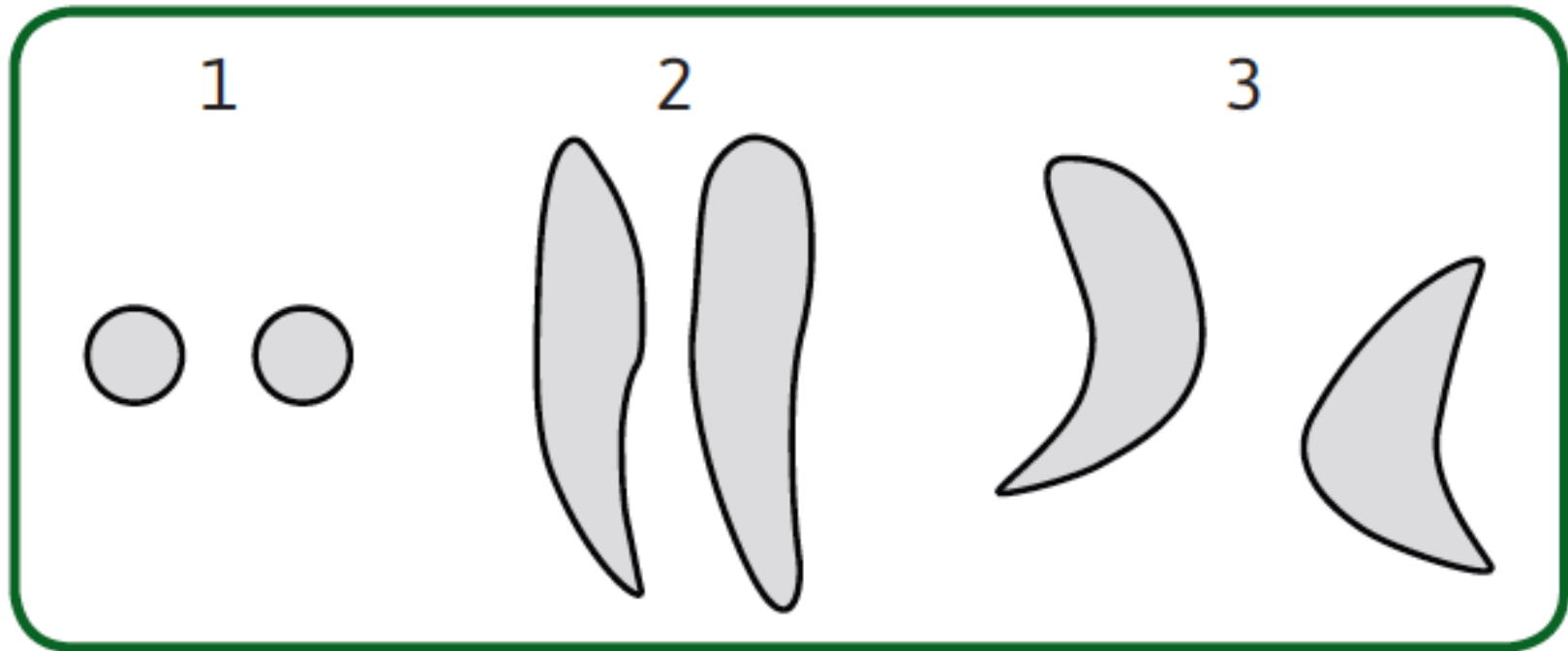
# Karyotypes



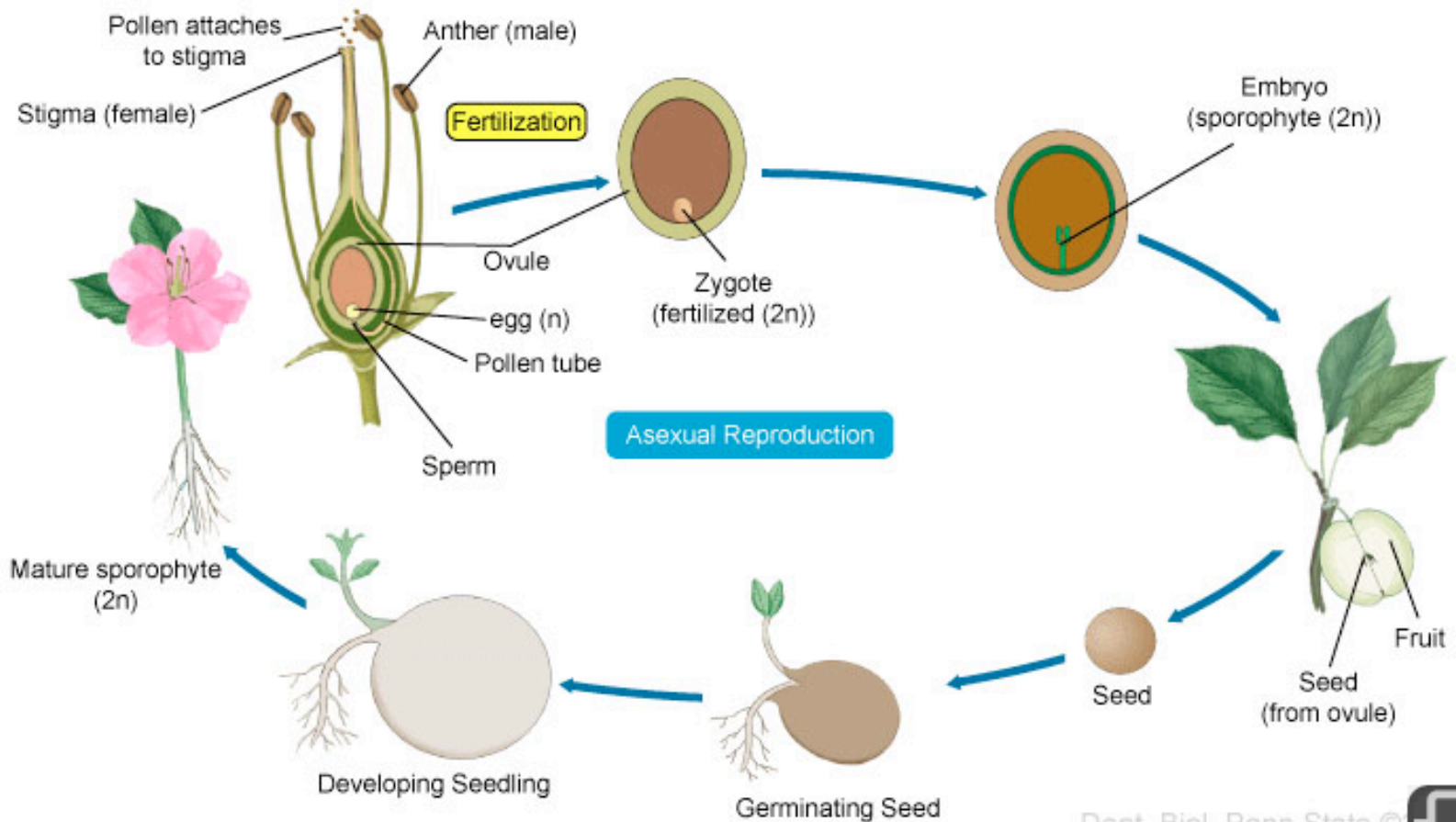
# Wisconsin Fast Plants Have 20 chromosomes

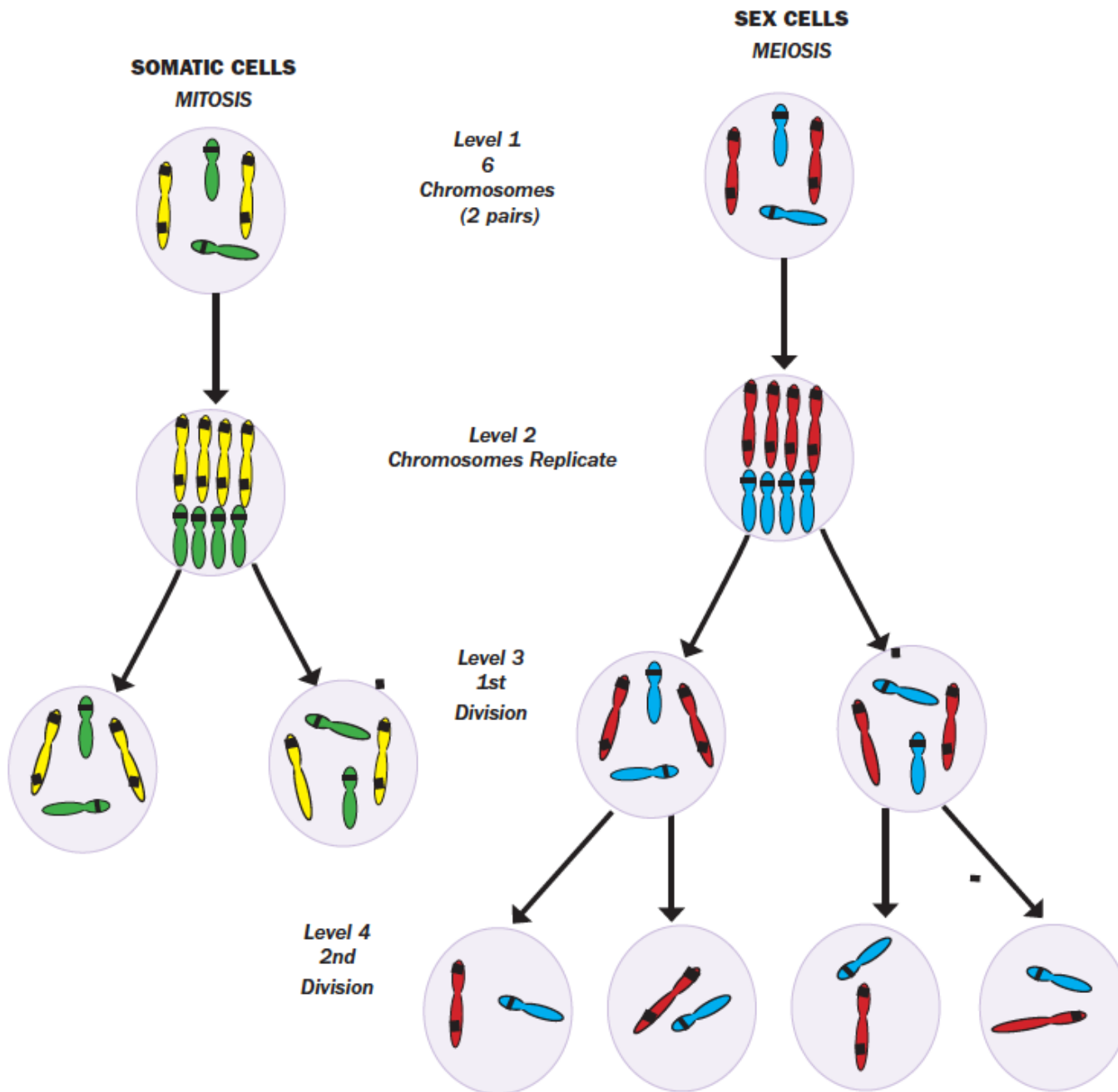
- What would the karyotype look like?

# Plant Chromosomes



# Sperm and Egg?



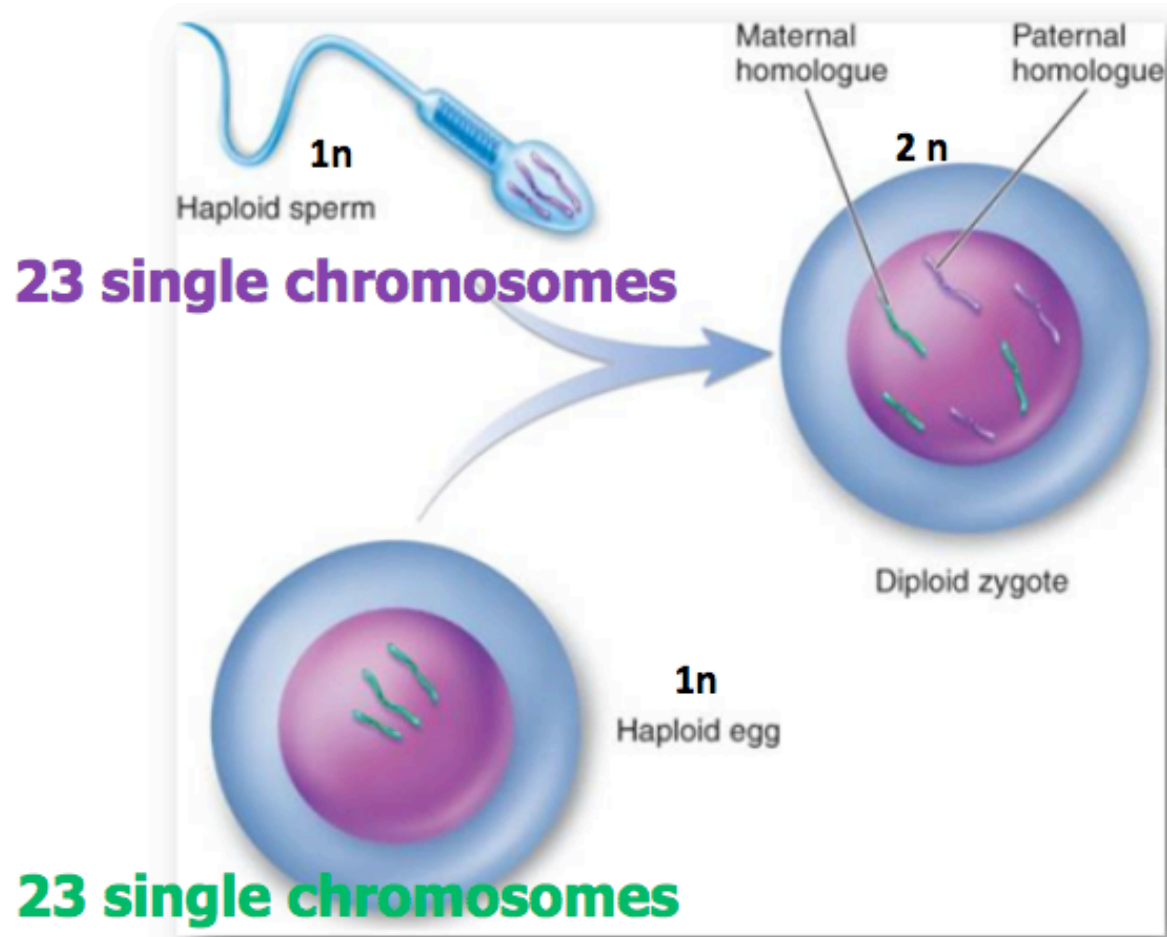


# Video clips—Mitosis and Meiosis

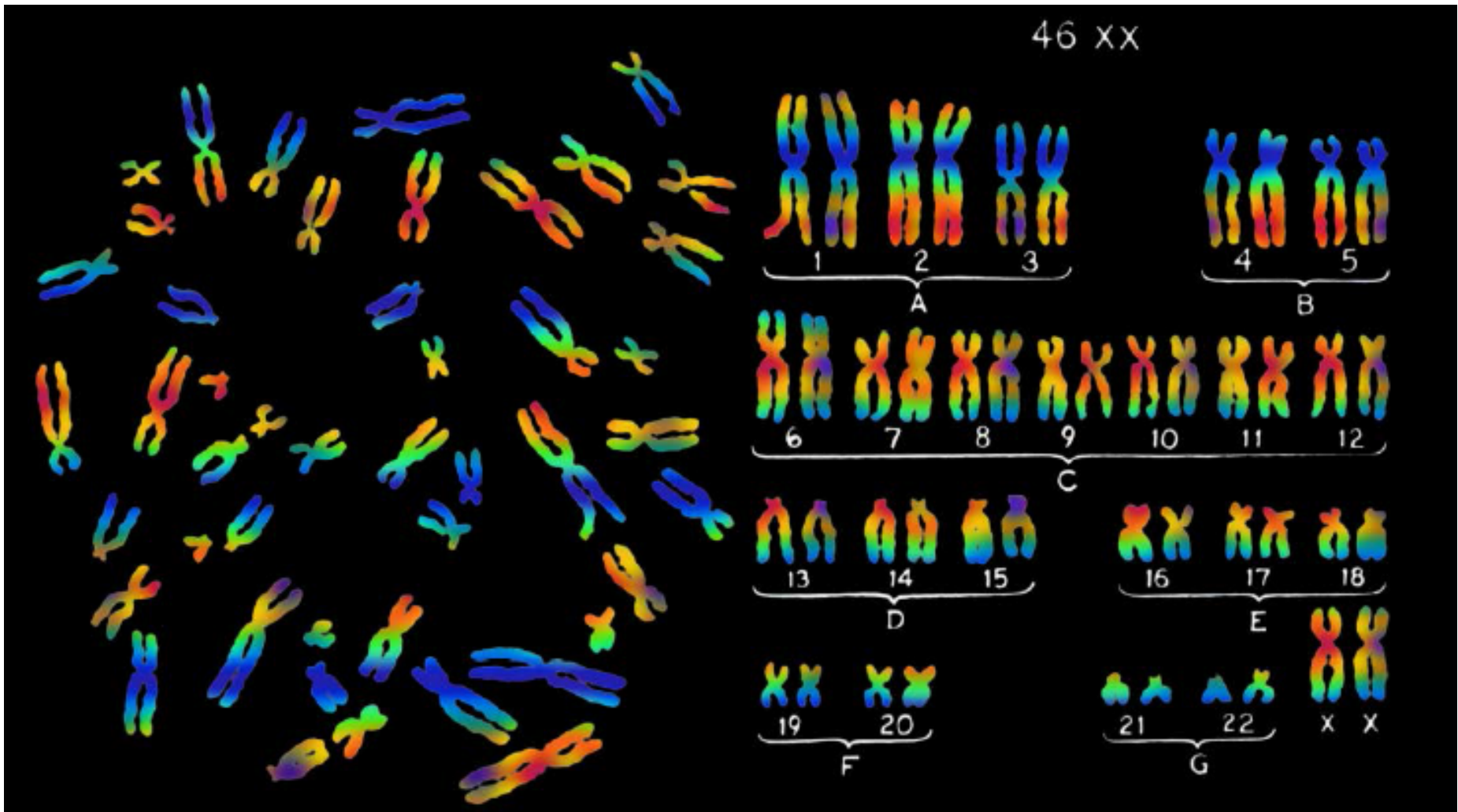
- <https://www.youtube.com/watch?v=Ba9LXKH2ztU> watch 1 minute
- <https://www.youtube.com/watch?v=-DLGfd-Wpr4> watch first 2 minutes
- <https://www.youtube.com/watch?v=jjEcHra3484> watch first 1 minute



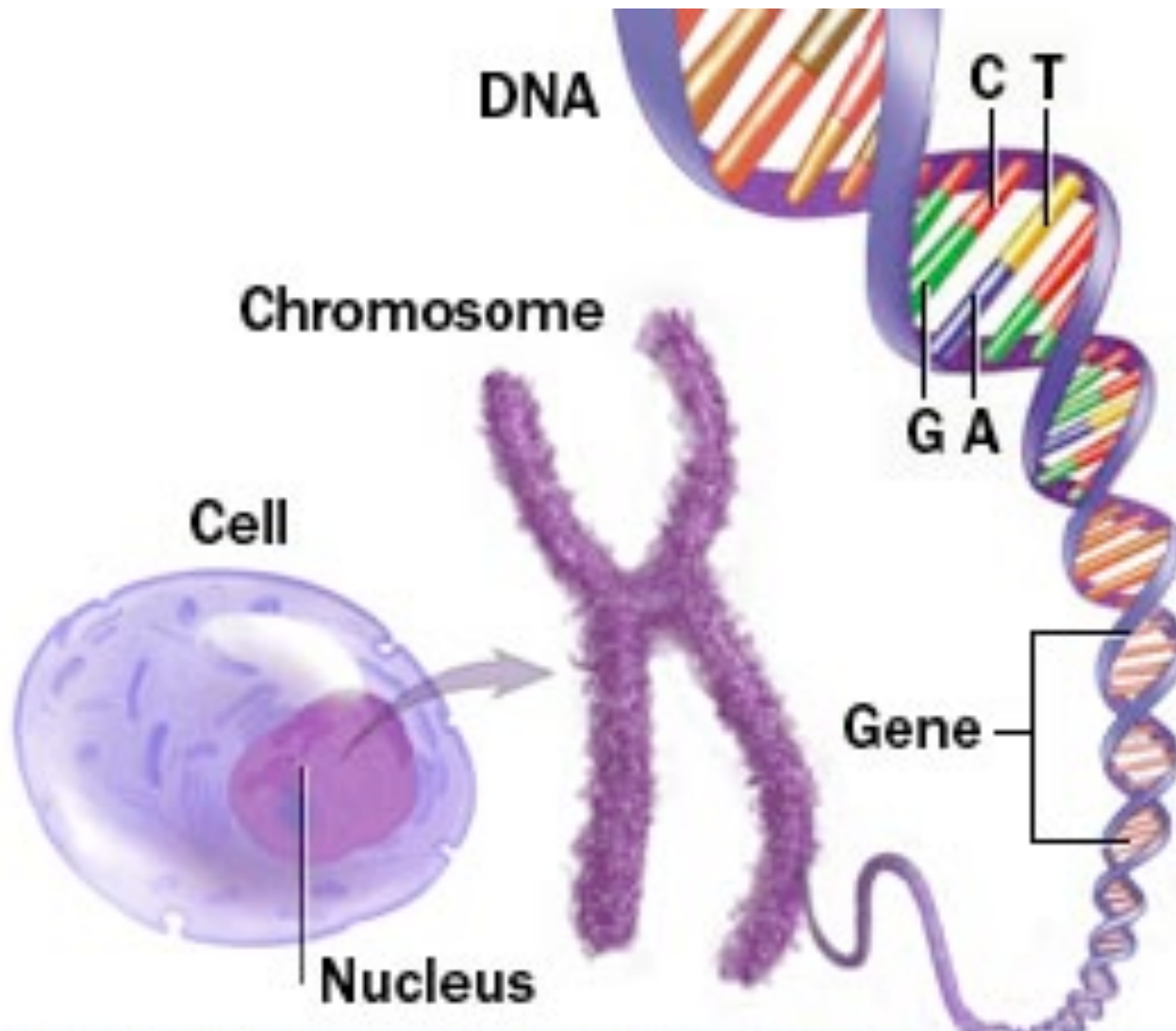
# Fertilization



How many chromosomes AFTER fertilization?



# Gene



# Gene for Stem Color

