


Two main ways to distinguish between chromosomes (for organisms that reproduce sexually):

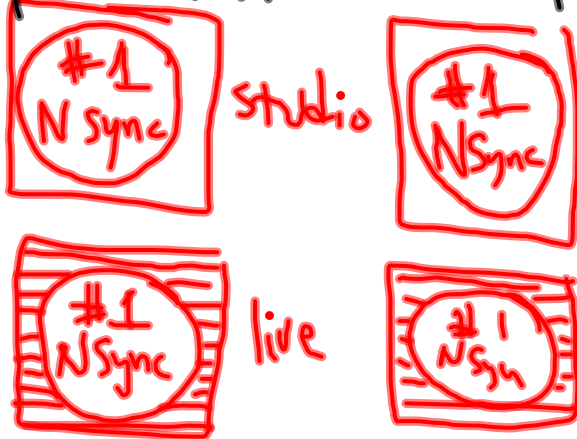
- size and shape (chromosome #)  
VISIBLE difference
- parental origin (from mom or pop)  
NO visible difference

# Cells

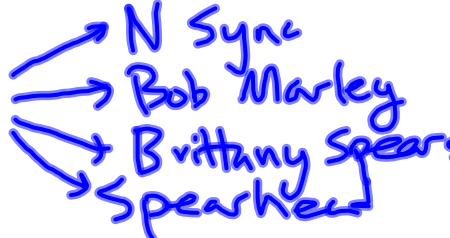
Chromosomes 

Genes

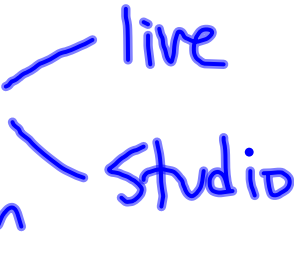
Parental Origin   
Replication

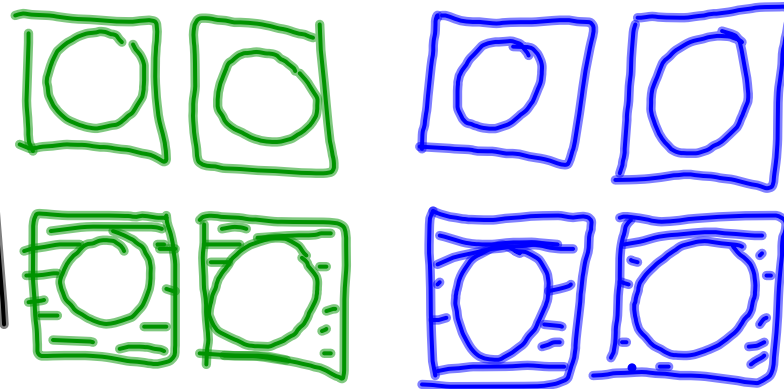


# Music

CD   
Songs

Songs

Version Duplication 



Using our CD analogy:

- make paper models of three pairs of chromosomes just after replication (#1 from mom, #1 from pop...)
- make CD's - three pairs of CD's (three albums in both a studio & live)
- you should be able to use your models to physically demonstrate the processes of mitosis & meiosis