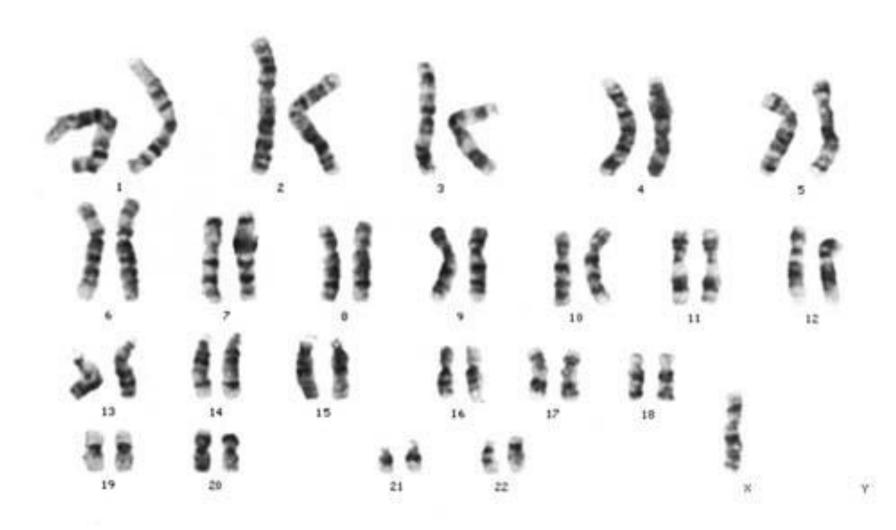
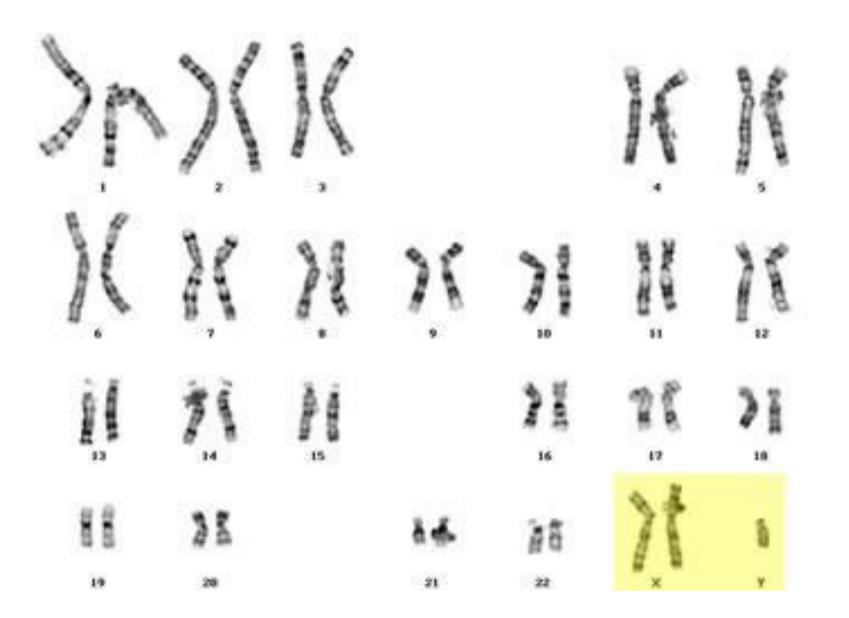
11.3 Chromosomes and Human Heredity

Nondisjunction

- Sister chromatids don't separate properly during meiosis
- Extra copy = trisomy
- Short a copy = monosomy
- Profound effects (even death)



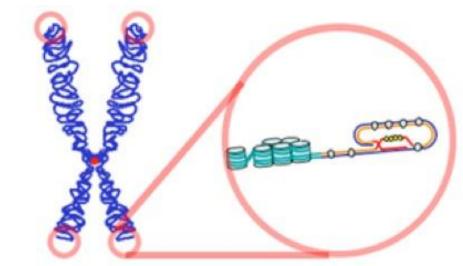




Telomeres

- Protective caps of DNA and protein on the ends of the chromosomes
- Wearing down with age could contribute to cancers and signs of

aging



Fetal testing

• Can check for genetic issues

Amniocentesis: takes some of fluid that surrounds the fetus

- -CVS: takes a sample of tissue from the sac that surrounds the fetus
- –Fetal blood sampling: later in pregnancy (umbilical cord)

