## Pedigrees: diagrams showing inheritance

### October 24, 2017

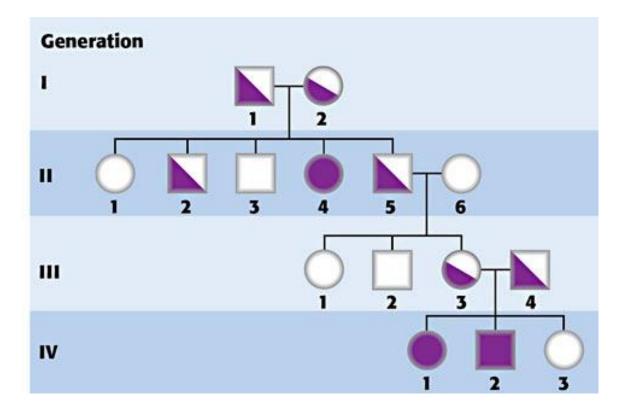
LO: Describe the role of DNA in inheritance.

### SLE: Meet NGSS.

#### Males

#### O Females

- Vertical lines connect children to their parents.
- A solid square or circle indicates that the person has a certain trait.
- A half-filled square or circle indicates that the person is a carrier of the trait.



#### Figure from page 74 of your textbook

# Let's draw a simple pedigree.

- Father (Mario): X<sup>R</sup>Y
- Mother (Maria): X<sup>R</sup>X<sup>r</sup>
- Children:
  - Marvin: X<sup>R</sup>Y
  - Megan: X<sup>R</sup>X<sup>R</sup>
  - Miguel: X<sup>r</sup>Y
  - Mona: X<sup>R</sup>X<sup>r</sup>

Homework: "plaid genetics" (worksheet on pedigrees)