

- 1) Do both parents contribute equally to genetics of the child?
 - Here we are talking about protein “coding genes”.

2) Which parent passes on more genetic information to their offspring?

3) What percent of genes does a male offspring inherit from the father? From the mother?
What percent of genes does a female offspring inherit from the father? From the mother?

- Genes a male offspring inherit from the father: Autosomal + Y
 Genes a male offspring inherit from the mother: Autosomal + X
 Total genes of a male offspring = 2(Autosomal) + X + Y

Genes a female offspring inherit from the father: Autosomal + X
 Genes a female offspring inherit from the mother: Autosomal + X + mitochondria
 Total genes of a female offspring = 2(Autosomal + X)

Female offspring: 49.98% from father
50.01% from mother