

Name: _____

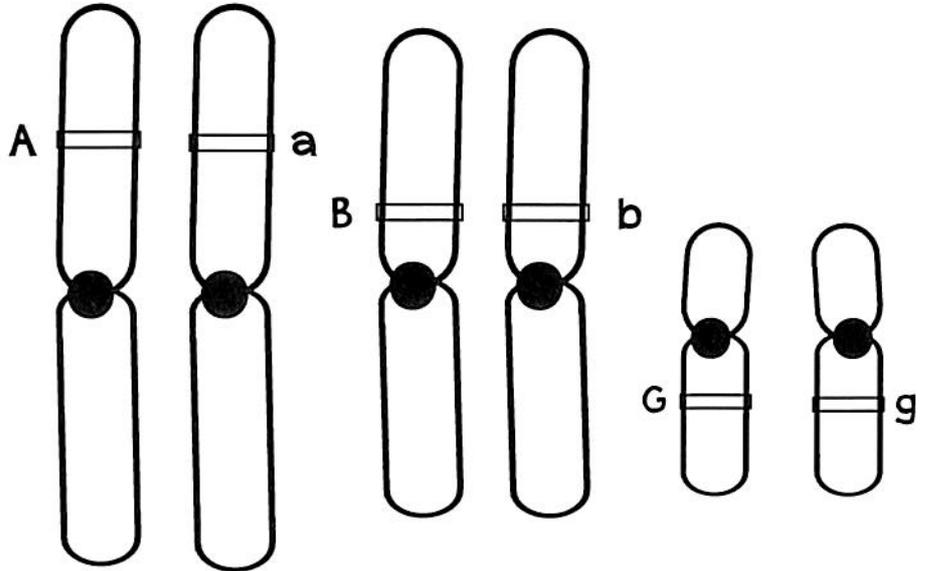
Polygenic Inheritance

Multifactorial Traits

• Some traits like _____

_____ in humans are affected by more than _____ gene and sometimes _____ genes. These traits are called _____ traits or multifactorial traits.

• Genes that affect the same trait can be _____

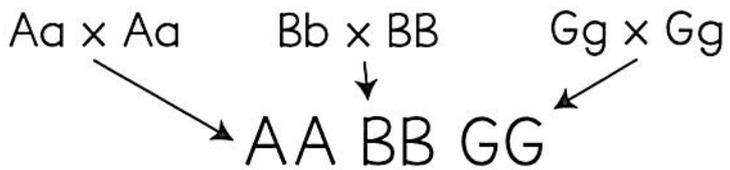


Sample Polygenic Genetics Problem

Human height is a _____ trait. One individual with the genotype $AaBbGg$ has a child with a $AaBBGg$ individual. What is the likelihood their child will be $AABBGG$?

Nature vs Nurture

- In reality, most traits are affected by _____ genes an organism has and its _____.
- Human height for example is about _____ due to genetics, _____ due to environmental differences, such as _____.



_____ chance they will have a $AABBGG$ child



$aaBbGg$



$aaBBGg$



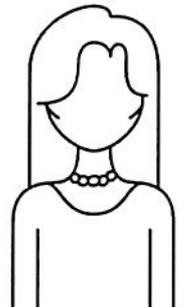
$AaBbGg$



$AaBbGG$



$AABBGg$



$AABBGG$