

## INTRODUCTION TO GENETICS

- The science of inheritance
  - Parents and offspring
- heredity is the set of characteristics an organism receives from his parents



## What is genetics?

- The scientific study of heredity



## Genes and dominance

- **Trait** : a characteristic
- Mendel studied seven of these traits

## INTRODUCTION TO GENETICS

- if an organism inherits different alleles for the same trait, one allele may be dominant over the other
- some genes segregate independently

## INTRODUCTION TO GENETICS

- A closer look at heredity
- There are characteristics that we share with our family that we may not see.
- Heredity is the key of genetics.

