

- ① Characteristic that parents pass on to their offspring. A gene.
ex: Eye color, hair color
- ② Gene = trait ex: eye color
Allele = variation → green eyes, blue eyes
- ③ Genetic composition ex: Aa, AA, aa
Characteristic that you see ex: Brown hair
-looks, acts, etc.

④ Dominant shows over recessive
Unless homozygous recessive
(aa)

⑤ A a

AA - homozygous dominant

Aa - Heterozygous

aa - Homozygous recessive

⑥

1. Identify trait, assign a letter
ex: Hair color

H → Brown

h → purple

2. Identify possible

Parent genotypes

HH, hh, Hh

3. Choosing parental genotypes

4. Draw your punnett

	H	h
H	HH	Hh
h	Hh	hh

5. Determine possible
phenotypes

- ⑦ find the probabilities/possibilities offspring
- ⑧ NO, percentages = probabilities
- ⑨ \emptyset
- ⑩ Monk who studied pea plants
father of modern genetics
Discovered rules of heredity