

## Student handout

# Monohybrid Inheritance

### Part 1:

You are going to pretend to be a fictional character. Complete the table below describing the features (phenotype) that your character has. For each one, state the genotype. Notice that two of the features have co-dominant alleles.

Feature	Possible Alleles	Phenotype	Genotype
Eye colour (brown or blue)	C - brown c - blue		
Hair colour (light or dark)	H - dark h - light		
Height (tall or short)	T - tall S - short		
Mood/Temperament (Easy-going or Grouchy)	M - easy-going m - grouchy		
Subject strength (Science or Art/creativity)	S - Science A - Art/creativity		

### Part 2:

With a partner, complete five genetic diagrams to find out what traits the children or your characters might have.

- List the most likely traits the offspring character will have.
- List the least likely traits the offspring character will have.
- Choose which of the two characters above is most interesting.
- Give a full description of the type of person this may grow up to be, including the sort of job and lifestyle they may have based on they're temperament.

### Part 3:

Join with another pair and describe your offspring to them, and listen as they describe theirs. Decide who has the most interesting offspring.

If you have time, repeat the activity with another partner.

