

Solutions

Each answer shows the steps, then the **result**.

2.1

- The environment

2.2

- Any one: hydrangea color and soil pH, height and diet, fur color and temperature

2.3

- No — it is caused by sunlight (environment), not coded in DNA, so it is not inherited

3.1 B

- an environmental effect on phenotype

3.2

(a)

- Phenotype depends on genes **and** environment; different diets/nutrition can produce different heights despite identical genes

(b)

- No — an environmentally-caused difference is not inherited

3.3

- Raise them in the **same** environment: any remaining difference is genetic; a difference that disappears was environmental