

# 18.1 Variation & Selection

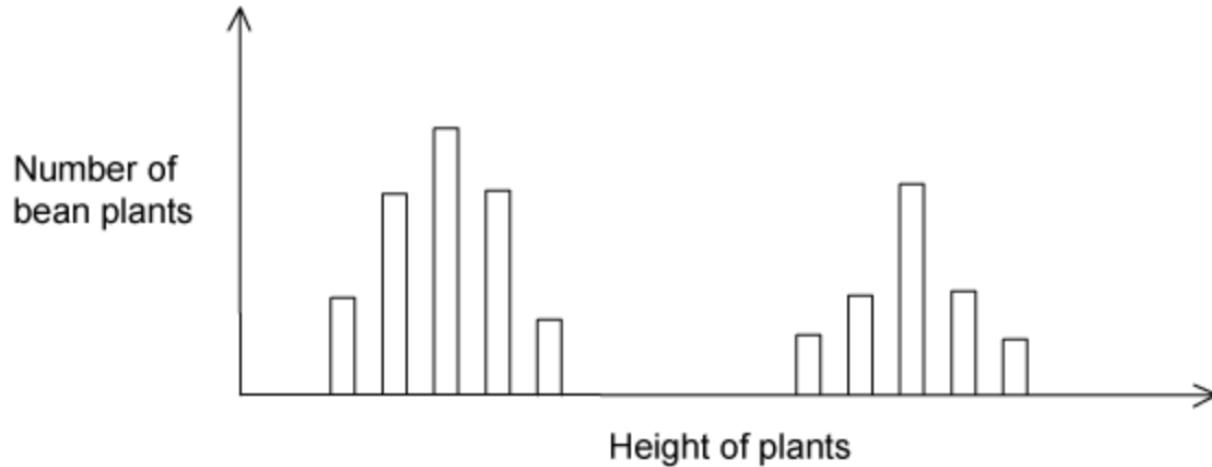
## Question Paper

Course	CIE IGCSE Biology
Section	18. Variation & Selection
Topic	18.1 Variation & Selection
Difficulty	Hard

**Time allowed:** 10  
**Score:** /5  
**Percentage:** /100

### Question 1

The graph below shows the height of bean plants grown from 1000 bean seeds.



What variation do the plants show?

- A** Discontinuous only.
- B** Continuous only.
- C** Neither continuous or discontinuous variation.
- D** Both continuous and discontinuous variation.

[1 mark]

**Question 2**

A woman who has blood group A and a man who has blood group B have four children, each with a different blood group A, B, AB and O.

What variation does this show?

- A** Discontinuous and genetic only
- B** Continuous and genetic only
- C** Continuous, environmental and genetic
- D** Discontinuous variation, environmental and genetic

[1 mark]

**Question 3**

The occurrence of sickle-cell anemia varies in different parts of the world.

Which of the following accounts for this variation in sickle-cell anaemia around the world?

- A** Individuals with sickle-cell anaemia have more alleles.
- B** Individuals that are heterozygous for the sickle-cell allele are more likely to suffer from anaemia.
- C** Individuals that are heterozygous for the sickle-cell allele have a resistance to cholera.
- D** People that are heterozygous for the sickle-cell allele have a resistance to malaria.

[1 mark]

**Question 4**

When growing millet, farmers choose seeds from high-yielding plants.

Which of the following is this an example of?

- A** Evolution
- B** Adaption
- C** Artificial selection
- D** Natural selection

[1 mark]

**Question 5**

Which row best describes human blood groups?

	affected by environment	has no intermediates	shows continuous variation	shows discontinuous variation
<b>A</b>	X	✓	X	✓
<b>B</b>	X	✓	✓	X
<b>C</b>	✓	X	✓	X
<b>D</b>	✓	X	X	✓

[1 mark]



Head to [savemyexams.co.uk](https://www.savemyexams.co.uk) for more awesome resources