**1.** A polygenic character is controlled by two genes each with two alleles. How many different possible genotypes are there for this character?

A. 2

B. 4

C. 9

D. 16

(Total 1 mark)

**2.** Which human trait shows a pattern of polygenic inheritance?

A. ABO blood type

B. Sickle cell anemia

C. Skin colour

D. Co-dominant alleles

(Total 1 mark)

**3.** Why is it sometimes difficult to identify how certain characteristics are inherited in humans.

A. Most genes are linked.

B. Rates of mutation are high.

C. The inheritance may be polygenic.

D. The environment varies so little.

(Total 1 mark)

**4.** Describe the effects of polygenic inheritance using a specific example.

(3)

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