Select the correct answer.

Which statement **best** describes a polygenic trait?

ATTEMPT 1

- a trait that follows Mendel's laws of inheritance
- a trait that is controlled by many genes working together ✓
- a trait controlled by a gene masking the expression of another gene
- a trait that is controlled by multiple alleles of the same gene

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Select the correct answer.

Which of the following is a polygenic trait?

ATTEMPT 1

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- blood type in humans
- flower color in snapdragons
- eye color in humans ✓
- seed color in Mendel's pea plants

Select the correct answer.

Which of these human traits is **most likely** to be influenced by the environment?

ATTEMPT 1

- blood type
- eye color

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- ear shape
- skin tone ✓

Select the correct answer.

Which human trait is influenced by both genetics and environmental factors?

- blood type
- height ✓
- chin type
- earlobe attachment

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Select the best choice from the drop-down menu.

Based on the information in this table, approximately 1. 30% ✓ of people have the most common skin tone.

	ABC	*ABc*	*AbC*	*aBC*	*Abc*	*aBc*	*abC*	*abc*
ABC	6	5	5	5	4	4	4	3
ABc	5	4	4	4	3	3	3	2
AbC	5	4	4	4	3	3	3	2
aBC	5	4	4	4	3	3	3	2
Abc	4	3	3	3	2	2	2	1
aBc	4	3	3	3	2	2	2	1
abC	4	3	3	3	2	2	2	1
abc	3	2	2	2	1	1	1	0

1. 30%

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✓

Fill in the blank with the correct answer from the Word Bank.

Word Bank			
AAbbcc	aaBBcc	AaBbCc	aabbcc

In humans, skin tone is controlled by at least three genes. If (A), (B), and (C), are the dominant alleles

that express darker colors, and the recessive alleles (a), (b), and (c) express lighter colors, then the

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genotype for the lightest skin tone possible would be 1. aabbcc ✓.

1. aabbcc ✓