

Elicit Question Cards—Genetics (Leader Master)

Some mice have white fur. Some mice have black fur. There aren't any gray-colored mice.

Why do you think mice have either black or white fur?

John has brown eyes. Mary has brown eyes. They had three children, two with brown eyes and one with blue eyes. How could that happen?

Some people who get cancer have many relatives who have also had cancer. Other people who get cancer are the only ones in their families to get it that they know of.

Do you think cancer is related to inheritance? Why or why not?

How do an organism's chromosomes influence what the organism looks like?

Are Mendel's laws universal? Do you think they apply to all living things and all traits? Why or why not?

Do genes ever change? If so, how?

Robert has blue eyes. Rebecca has brown eyes. When they had children, some had brown eyes, some blue, and some more of a hazel color.

How do you explain how one child got hazel-colored eyes?

Do you think that every person in the world is unique—different from everyone else? Explain your ideas about why or how this could be?