

You study eye formation using Mexican cave-dwelling blind fish. You know that blindness is a trait controlled by multiple genes and inherited in a recessive manner.

A blind fish from a true-breeding line in one cave was crossed to a blind fish from a true-breeding line in another cave. If the mutation

Let's add more fish

You isolate two more blind fish strains (#4 and #5), cross them to #1, #2, and #3, and get the following results:

	#1	#2	#3	#4	#5
#1	-	-	+	+	+
#2	-	-	+	+	+
#3	+	+	-	+	-
#4	+	+	+	-	+
#5	+	+	-	+	-

Based on these results, at least how many genes are working to produce sight?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

What if we find a new blind fish strain?

X

Sighted surface fish

Blind strain #6



Can we use the Strain #6 fish for complementation testing?

- A. Yes
- B. No