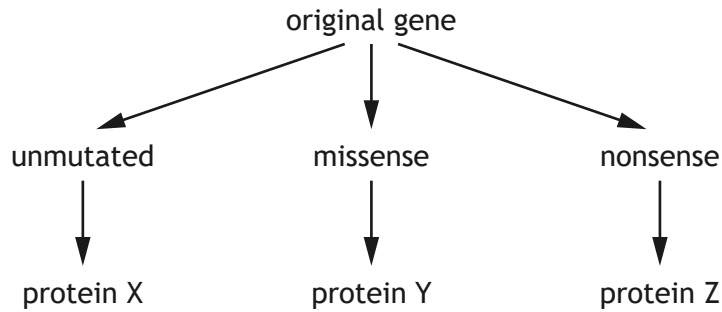


4. DNA sequences can undergo mutations, which can affect the protein produced.

The diagram shows the proteins produced from an unmutated sequence and from the sequences following two different mutations.



The sizes of the proteins can be compared using gel electrophoresis. Smaller proteins travel further in the gel.

Which of the following diagrams show the results of gel electrophoresis of proteins X, Y and Z?

