

Handout

Mutations Sentence Exploration

In pairs, use the Exploration Genetic Mutation online Scratch program, <https://scratch.mit.edu/projects/360798931/>, to complete the following questions.

1. Analyze sentence 1 and sentence 2, and in your own words, state the changes required to change sentence 1 into sentence 2.

One letter has been misplaced with another. The c has been swapped for a b. However, the sentence still works.

2. Analyze sentence 1 and sentence 3, and in your own words, state the changes required to change sentence 1 into sentence 3.

One letter has been misplaced with another. The h has been swapped for an m. However, the sentence still works.

3. Analyze sentence 1 and sentence 4, and in your own words, state the changes required to change sentence 1 into sentence 4.

The letter c has been deleted from the sentence and all the letters have been shifted to the left!

4. Analyze sentence 1 and sentence 5, and in your own words, state the changes required to change sentence 1 into sentence 5.

The letter d has been inserted into the sentence and all the subsequent letters have been shifted to the right.

Brainstorming

Your task is to create a new Molecular Genetics Game.