

Evolution and Selection

What mechanisms lead to changes in the diversity of species on Earth?

Why?

People make choices by selecting options they like best. The natural world also 'selects' (although not as a conscious decision) when environmental conditions allow organisms with a particular genetic trait to live healthier lives than other organisms. In this activity, we will explore how selection affects populations overtime.

Model 1 – Desktop Swab Results



1. What is the source of the bacteria in the culture tube in Model 1?

The bacteria in model 1 comes from the top of a desktop so it most likely came from human sources that have contact with the desk top.

2. How many genetic variants of *E. coli* were present in the culture from the initial swab?

There were four genetic variants of *E. coli* present in the initial swab.

3. What variants of *E. coli* are found on the dish grown without triclosan?

All four variants of *E. coli* are found on the dish grown without the triclosan.

4. Refer to the dish in Model 1 with the medium that included triclosan.

- a. What variants of *E. coli* are found on the dish grown with triclosan?

The only variant of *E. coli* found on the dish grown with triclosan is Variant S.

- b. What likely happened to the other variants of *E. coli* on the dish with the medium containing triclosan?

The other bacteria was likely killed by the triclosan.

Genetic Mutation Packet Answers Pogil

Xiaolong Qi



Genetic Mutation Packet Answers Pogil:

Unveiling the Magic of Words: A Review of "**Genetic Mutation Packet Answers Pogil**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Genetic Mutation Packet Answers Pogil**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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