

AP Stat Crochet Test

What does the parallel postulate say in each of the three geometries, Euclidean, Spherical and Hyperbolic? To answer this question, provide a picture of each geometric space and an accompanying short explanation.

The Theory of Evolution explains that random mutation in the genetic code of an organism causes changes to that organism in such a way that the organism has a greater or lesser chance of survival compared to other similar organisms without that same random mutation. Over time, these random mutations lead organisms to evolve into different but similar species.

Explain how “changes in the genetic code” relates to our project?

Explain how the concept of “random mutation” relates to our project?

Explain how the concept of “survival” relates to our project?

Explain how the concept of “similar organisms” relates to our project?

Explain how the concept of “similar species” relates to our project?

Your crochet crenellates when you increase the number of stitches in each row. List a couple different ways to change the number of stitches and explain the varying effect of these methods on the overall crenellation of your crochet organism. Explain mathematically why your crochet crenellates providing actual numerical examples to go along with your different patterns.