
AP BIOLOGY 21 Pogil Hardy Weinberg Equation Questions with Answers

Combined genetic information of all the members of a particular population -

AnswerGene Pool

The condition describing a non-evolving population (one that is in genetic equilibrium).

- doesn't ever happen just a NULL HYPOTHESIS - AnswerHardy-Weinberg equilibrium

- No mutations

- Random mating

- No natural selection

- Extremely large population size

- No gene flow - AnswerConditions for Hardy-Weinberg Equilibrium

$p^2 + 2pq + q^2 = 1$ - AnswerHardy-Weinberg equation

frequency of dominant allele - AnswerWhat does p represent?

frequency of recessive allele - AnswerWhat does q represent?

frequency of homozygous dominant genotype - AnswerWhat does p^2 represent?

frequency of heterozygous genotype - AnswerWhat does $2pq$ represent?

frequency of homozygous recessive genotype - AnswerWhat does q^2 represent?

Count the number of homozygous recessive - AnswerWhat do you do first in Weinberg Equations

Evolution - AnswerIf allele frequencies are changing what is happening

Ap Bio Pogil Answers

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Ap Bio Pogil Answers:

POGIL Activities for AP Biology, 2012-10 **Model Answers AP Biology 1 Student Workbook** Tracey Greenwood, 2012-08-01 *AP Biology For Dummies* Peter J. Mikulecky, Michelle Rose Gilman, Brian Peterson, 2008-06-02

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