

Review guide: Biology with B. Clark, Unit 5 test. Test date: Thurs/Friday April 24-25.

From the video 10 Americans: Who were the individuals who donated blood? Roughly how many chemicals were tested for in the study? What is the meaning of the following terms? Carcinogen, Hormone-disruptor, Neurotoxin. What is the purpose of the Placenta? How does the placenta develop?

From the article titled: Chemicals linked to genital and breast development: what were the main chemicals they studied? How did the two studies differ from each other? What are the chemicals studied used for?

From the PGlo lab: What exactly is the pGlo material? How does the DNA structure of bacteria differ from the DNA structure of Eukaryotes? What do the AraC, GFP and AMP^r genes do?

Mendelian genetics (when did he live, what did he study). What were the 'traits' he was tracking over generations? How is it possible for traits to 'skip' a generation?

Meiosis as a process.. how does meiosis 1 differ from meiosis 2? How are "homologous chromosomes" different from 'sister chromatids? What is happening when Crossing Over is occurring? Why is this an important step in the evolutionary process?

Genotyps vs phenotype and Punnett square: How to use Punnett squares to predict probability of a certain genotype.. Being able to predict the probability of a certain phenotype from a Punnett square. Be able to write out the Genotype of an individual given a description of traits. How sex cells differ from ordinary cells..

Mammals.. key traits, monotremes, marsupials and placental mammals.. know examples of each and the differences between them. Lactase vs Lactose what's the difference? Do all mammals produce both? What are the rough 'start and end dates' of the Major Era's in which animal and plants evolved? (Paleozoic, Mesozoic and Cenozoic).

Living on one dollar. How many people around the world live in extreme poverty? How did the village of Pena Blanca work together to help families with major expenses? How does adding Lard to beans help

Farming and Botany: In traditional meso-American farming, what are the '3 sisters' a reference to? What makes this combination an ideal package for farmers? What and when (m.y.a.) did the first mosses, liverworts and ferns appear on land?