

Ap bio chapter 13 guided reading answers

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What is the hardest chapter in AP Biology? In AP Biology, the level of difficulty for each unit can vary from student to student, depending on their background and strengths. However, many students often find the cellular processes and molecular biology units to be quite challenging.

What is a somatic cell AP Biology? Somatic cells are the cells in the body other than sperm and egg cells (which are called germ cells). In humans, somatic cells are diploid, meaning they contain two sets of chromosomes, one inherited from each parent.

Where are gametes of an animal produced? In mammals, gametes are produced in the testes or ovaries of individuals but anthers and ovaries are on the same flowering plant.

How does a human somatic cell compare to a gamete in terms of chromosome number? Human somatic cells have 46 chromosomes consisting of two sets of 22 homologous chromosomes and a pair of nonhomologous sex chromosomes. This is the $2n$, or diploid, state. Human gametes have 23 chromosomes or one complete set of chromosomes. This is the n , or haploid, state.

Is AP Bio or Chem easier? The general consensus is that AP Chemistry is often considered more difficult than AP Biology. This is due to the fact that AP Chemistry typically involves more complex mathematical calculations and abstract concepts.

What is the easiest AP subject?

What chicken has 78 chromosomes? The karyotype of chicken, *Gallus domesticus* consists of $2n=78$ chromosomes. However, 12 chromosomes or 6 pairs

are called microchromosomes and the remaining 66, or 33 pairs of chromosomes are called microchromosomes.

What animal has 90 chromosomes? A hedgehog has 90 chromosomes in its somatic cells.

What does MPF trigger? Once active, MPF in the cell cycle causes phosphorylation of important target proteins. For example, proteins in the nuclear envelope are phosphorylated and are marked for destruction. This allows for the dissolving of the nuclear envelope, a key event in early M phase.

What is female sperm called? In animals, female gametes are called ova or egg cells, and male gametes are called sperm. Ova and sperm are haploid cells, with each cell carrying only one copy of each chromosome.

Is a zygote a haploid or diploid? The zygote is endowed with genes from two parents, and thus it is diploid (carrying two sets of chromosomes).

Is a brain cell haploid or diploid? Answer and Explanation: Brain cells are called diploid cells because they have chromosomes that are in pairs. In the human body, almost all cells are diploid cells and have 46 chromosomes.

What does n represent in biology? The number of chromosomes in a single set is represented as n, which is also called the haploid number. In humans, $n = 23$. Gametes contain half the chromosomes contained in normal diploid cells of the body, which are also known as somatic cells.

How do you tell if a cell is somatic or gamete? Somatic cells have a diploid genome. This means that they get two copies of each chromosome, one from the mother and one from the father. Gametes on the other hand are formed through a process called meiosis, which creates a haploid genome. Haploid means that these cells only get one copy of each chromosome.

How many chromosomes are found in somatic cells? Normally, each cell in the human body has 23 pairs of chromosomes (46 total chromosomes).

What grade do most people take AP Bio?

How many is too many AP classes? Taking and doing well on more than 5 AP course exams doesn't significantly improve a student's chances of getting good first-year college grades and four-year degree completion, the nonprofit found.

Which AP is the hardest?

What is the least passed AP class? Looking at the numbers, the hardest AP test is Physics 1. In May 2022, just 43.3% of test-takers passed, and only 7.9% received a perfect score. Other hard AP exams include US History, Macroeconomics, Chemistry, and Calculus AB.

Is 11 AP classes enough? Many competitive applicants at top universities take anywhere from 7 – 12 AP classes throughout high school. In fact, some universities even require students to take multiple AP classes in order for any of them to count as college credit.

Is 9 APs good? 9 APs is generally enough to be a competitive applicant to top schools.

What is the easiest chapter in biology?

Which part of biology is the hardest? Molecular Cell Biology is one of the hardest biology degrees to study, and biology in itself is a very challenging discipline. Studying molecular cell biology is like learning a new language, as there is an incredibly complex vocabulary to describe the structure and function of life at the molecular level.

Is AP Bio the hardest AP? Is AP Biology Easy Or Hard? AP Biology is considered quite hard, with class alumnae rating it 6.4/10 for overall difficulty (the 8th-most-difficult out of the 28 large AP classes surveyed). The pass rate is about average vs other AP classes, with 64% graduating with a 3 or higher.

Which AP science is the hardest? Consequently, both Physics C courses (Mechanics as well as Electricity & Magnetism) are regarded as two of the hardest AP classes that you can take in high school. You'll cover topics like electrostatics, conductors, and electromagnetism over the course of five units.



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