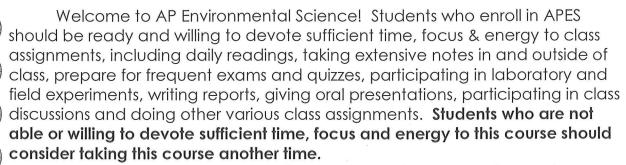


AP Environmental Summer Assignment



In order to be better prepared, we need to do some work over the summer. Hopefully you will find most of your assignment both informative and enjoyable. The purpose of this assignment is to get you thinking about the environment in which you live and help prepare you for your studies in environmental science for the upcoming school year. You should plan on immersing yourself in the subject of environmental science for the next twelve months. Please complete the following assignment this summer (DUE the 2nd day of school).

Assignment:

- 1. Read and take notes on Chapters 1 3 in the APES textbook (Miller Living in the Environment, 17th edition)
- Answer the Review Questions at the end of each chapter.
 - a. Chapter 1 Page 28-29
 - b. Chapter 2 Page 52
 - c. Chapter 3 Page 77-8
- 3. Complete Quizzes that will be on Canvas
 - a. You must accept the canvas course invitation. This should be sent to you in the next few weeks.
- 4. Complete supplemental assignments on canvas.
- 5. Complete attached math worksheet.

Math Review

This year in APES you will hear the two words most dreaded by high school students...NO CALCULATORS! That's right you cannot use a calculator on the AP Environmental Science exam. Since the regular tests you will take are meant to help prepare you for the APES exam, you will not be able to use calculators on regular tests all year either. The good news is that most calculations on the tests and exams are written to be fairly easy calculations and to come out in whole numbers or to only one or two decimal places. The challenge is in setting up the problems correctly and knowing enough basic math to solve the problems. With practice, you will be a math expert by the time the exam rolls around. So, bid your calculator a fond farewell, tuck it away so you won't be tempted, and start sharpening your math skills!





































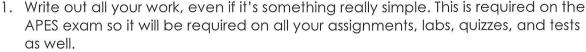


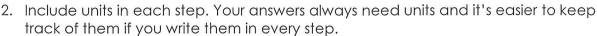


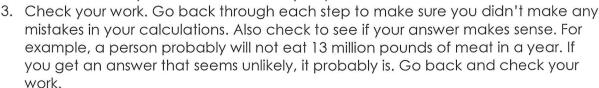




Reminders







Directions

The Summer Math Worksheet is designed to review math skills that you should already know. If you're having trouble please feel free to use the suggested websites for review or conduct your own research.

Part A. Decimals

https://www.khanacademy.org/math/arithmetic/decimals

Part B. Averages

Hopefully you have this one covered.

Part C. Percentages

https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-proptopic/cc-6th-percentages/v/describing-the-meaning-of-percent

Part D. Metric Units

 $\underline{\text{https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-measurement-topic/cc-4th-unit-conversion/v/time-unit-conversion}}$

Part E. Scientific Notation

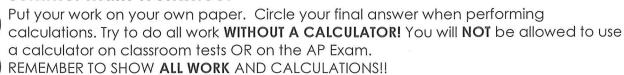
https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-scientific-notation/v/scientific-notation--old

F. Dimensional Analysis

https://www.khanacademy.org/math/algebra/introduction-to-algebra/units-algebra/v/dimensional-analysis-units-algebraically



Summer Math Worksheet



 $7.28.4 \times 9.78 =$

12. 3300.584 / 34.67 =



1.1.678 + 2.456 =

6.90.3 - 32.679 =

2. 344.598 + 276.9 =	8. 324.45 x 98.4 =

5. 199.007 – 124.553 =	11. 114.54 / 34.5 =

B. Practice Averages:

13. Find the average of the following numbers: 11, 12, 13, 14, 15, 23, and 29

14. Find the average of the following numbers: 124, 456, 788, and 343

15. Find the average of the following numbers: 4.56, .0078, 23.45, and .9872

C. Practice Percentages:

16. What is 45% of 900? 17. Thirteen percent of a 12,000 acre forest is being logged. How many acres will be logge

18. A water heater tank holds 280 gallons. Two percent of the water is lost as steam. How

gallons remain to be used?

19. What percentage is 25 of 162.5?

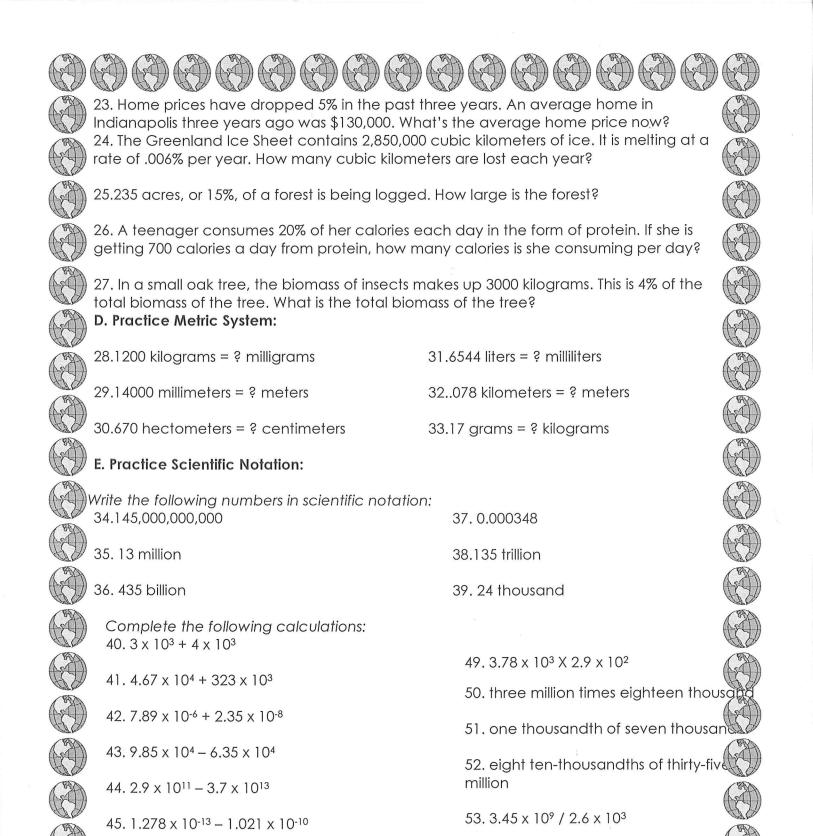
20.35 is what percentage of 2800?

21.14,000 acres of a 40,000 acre forest burned in a forest fire. What percentage of the forest

was damaged?

22. You have driven the first 150 miles of a 2000 mile trip. What percentage of the trip have

traveled?



54. 1.98 x 10⁻⁴ / 1.72 x 10⁻⁶

thousand

55. twelve thousand divided by four

46. three hundred thousand plus forty-

47. 13 million minus 11 thousand

48. 1.32 x 108 X 2.34 x 104

seven thousand

