+

Weekly Planner: All science week of 4.15.19 

**Objectives for the week**: Bio.2.1.1 Analyze the flow of energy and cycling of matter (water, carbon, nitrogen and oxygen) through ecosystems relating the significance of each to maintaining the health and sustainability of an ecosystem. Bio.2.1.2 Analyze the survival and reproductive success of organisms in terms of behavioral, structural, and reproductive adaptations. Bio.2.1.3 Explain various ways organisms interact with each other (including predation, competition, parasitism, mutualism) and with their environments resulting in stability within ecosystems. Bio.2.1.4 Explain why ecosystems can be relatively stable over hundreds or thousands of years, even though populations may fluctuate (emphasizing availability of food, availability of shelter, number of predators and disease).

Chm.3.2.3 Infer the quantitative nature of a solution (molarity, dilution, and titration with a 1:1 molar ratio). Chm.3.2.4 Summarize the properties of solutions. Chm.3.2.5 Interpret solubility diagrams. Chm.3.2.6 Explain the solution process.

|  |  |  |
| --- | --- | --- |
| Day | Honors Biology | Honors Chemistry |
| Mon 4.15 | TEST- objective 2.1  Re-read Ch 19 and 20: <https://cnx.org/contents/s8Hh0oOc@15.1:RW2ZTUre@6/Introduction>  \*HW= read ch 19 &20 | Test- Thermal  Molarity notes?  \*HW= Read Ch 11  Look up Molarity definition and do molarity problems, solubility graph on back. |
| Tues  4.16  STUDY BUDDIES! | Finish Ecology notes  Virtual population ecology lab!  <http://glencoe.mheducation.com/sites/dl/free/0078757134/383928/BL_04.html>  \*HW= finish lab and questions 1-7 from lab journal. | Molarity and dilution team practice  \*2nd block HW= #1-2 on each page  #3rd- |
| Wed 4.17  STUDY BUDDIES! | Finish Econotes  \*HW= study for quiz, test corrections due Tues. | Finish Molarity  \*HW= study for quiz, test corrections due Tues. |
| Thurs  4.18 | Food WEB lab-  DO NOT wear nice clothes!  DUE TUES 4.23 EOC review 1.1- #1-45ok to write answer directly on paper with a **reason**. | Kool Aid LAB!  DUE TUES 4.23  EOC review #1 and 2!!  ok to write answer directly on paper |
| Friday 4.19 | **HOLIDAY** | **HOLIDAY** |

Dengue Fever virtual study

Warm up activities!

Monday 3.25.19- https://evansccca.weebly.com/

|  |  |
| --- | --- |
| **BIO Warm up:**  Turn OFF your cell phone and put in bin 😊 turn in Darwin  <https://www.youtube.com/watch?v=GK_vRtHJZu4>  Name the three main types of biodiversity and explain why each is so important. | **CHEM warm up**  Turn OFF your cell phone and put in bin 😊    -Endothermic or exothermic and why?  -What is delta H for this reaction? WHY? |

Wednesday 4.17.19- https://evansccca.weebly.com/

|  |  |
| --- | --- |
| **BIO Warm up:**  Turn OFF your cell phone and put in bin 😊  Name the 4 main points of this video:  <https://www.youtube.com/watch?v=GlnFylwdYH4> | **CHEM warm up**  Turn OFF your cell phone and put in bin 😊  ΔTb = *m* *(d.f.)* Kb  -What is the boiling point of 1.5 Kg of water with 111 g of calcium chloride in it?  ΔTf = *m* *(d.f.)* Kf |

Kf= 1.86 C/*m*  Kb= .52 C/*m*

THURSDAY & FRIDAY 4/18 & 4/19- https://evansccca.weebly.com/

|  |  |
| --- | --- |
| **BIO Warm up:**  Turn OFF your cell phone and put in bin 😊  **On the back of your answer sheet, make the following chart:** | **CHEM warm up**  Turn OFF your cell phone and put in bin 😊  20 mL of 0.5M NaOH is needed to neutralize 400 mL of HCL.  What is the Molarity of the HCl?  M1V1 =M2V2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Object found** | **Approx. length** | **Approx.**  **width** | **Probable animal** | **Probable use** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



