

Mr. Krebs Contact Information

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IB Biology II Summer Assignment (50 Points)

The summer assignment is due on the first day of school. NO LATE WORK WILL BE GRADED

The summer assignment is split between three parts:

[Video of Krebs Explaining Expectations](#)

Part 1: Grade an IA

- **Task # 1: Read, Annotate, & Score this [IA](#) (10 pts)**
 - (a) note you will be scoring and annotating this IA
so please print off a hard copy or you could do it digitally if you know how.
 - (b) when you are finished, send me the scores through this [survey](#)
 - (c) be prepared to turn in your annotated document to support your scoring. All students must score within 1pt of the marked aspects.

Part 1: Resources/ Materials

- [IA Grading Rubric](#)
- [IA Grading Checklist](#)

Read this: [IA](#), and submit scores here: [survey](#) .

Part II: Brainstorm Research Ideas (10pts)

- Use this [brainstorming template](#) to help you brainstorm ideas. It is helpful to brainstorm multiple ideas and choose the best one!
- Email me with questions
- You will be turning one of these templates into me for credit!

Part III: Run Preliminary Trials of your experiment. (30 pts)

- You will turn in a google document with the following information on it.
 - ☐ Justification for all variables: Should include in-text citations
 - ☐ Brief description of your lab setup
 - ☐ Qualitative data table: what you observed organized/format
 - ☐ Quantitative data table: labeled and completed

The expectation is that you have one sample measured per experimental group. ***
You may also collect all 5 repetitions of your investigation as well, but this is not required at this point***

- ☐ Focused Research Question

*** See next page for resources to help you choose topic*****

Resources

- [HOW TO CHOOSE AN IA TOPIC TO STUDY.pdf](#)
- [DP Biology IA ideas during a pandemic 2020-21.pdf](#)
- [ECOLOGY INVESTIGATION IDEAS.pdf](#)
- [IA MISTAKES TO AVOID.pdf](#)
- [IA EXPLAINED_SECTION BY SECTION](#)
- Sample IA : [Oncogenes and Leukemia 24/24 Canada](#) (IB Score 7)
- Sample IA: [BMI Paper: Secondary Data](#) (IB Score 7)
- Sample IA: [Soil Investigation 21/24](#) (IB Score 7)
- Sample IA: [Mesocosm Investigation for IA _ 17/24](#) (IB Score 6)