**Science Research: Getting Motivated (Videos)**

*All levels*

**Assignment:** *Choose only THREE (3) of the following videos to watch. At least one of them should be a Siemen’s Competition Winner video. Answer all the questions that follow. Be prepared to discuss your answers with the class and/or in small groups.*

***Siemen’s Competition Winners:***

**Andrew Chen** (2015 Siemen’s Competition Winner- Enhancing Imaging Resolution) *10:24* <https://www.youtube.com/watch?v=UxVNxz-2oEY>

**Blake Hord** (2016 Siemen’s Competition Winner- Astronomy project)*11:51* <https://www.youtube.com/watch?v=NCMC3OiZWVo>

**Neil Wary** (2017 Siemen’s Competition Winner- Charge Syndrome/Autism)*10:29* <https://www.youtube.com/watch?v=8lBupnKMl2g>

***TED TALKS:***

**Deepika Kurup** (TED talk about her clean water project)*8:00*

<https://www.ted.com/talks/deepika_kurup_a_young_scientist_s_quest_for_clean_water?language=en>

**Jack Andraka** (TED talk about solutions for pancreatic cancer) *10:34* [https://www.ted.com/talks/jack\_andraka\_a\_promising\_test\_for\_pancreatic\_cancer\_from\_a\_teenager?ref errer=playlist-ted\_under\_20](https://www.ted.com/talks/jack_andraka_a_promising_test_for_pancreatic_cancer_from_a_teenager?referrer=playlist-ted_under_20)

**Kenneth Shinozuka** (TED talk about his invention) *5:47* [https://www.ted.com/talks/kenneth\_shinozuka\_my\_simple\_invention\_designed\_to\_keep\_my\_grandfathe r\_safe](https://www.ted.com/talks/kenneth_shinozuka_my_simple_invention_designed_to_keep_my_grandfather_safe)

**Questions & Answers:**

1. Briefly summarize each video. What was the research about?

Video 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Video 2:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Video 3:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Explain why you think these students and their projects were recognized over others? What qualities make these students and their projects stand out from other students & projects?

1. Describe at least three qualities all three of these student presenters have in common:

1. Though all three students present different projects, you should notice several things all the presentations have in common. What are the common theme(s) that unite all three presentations?

1. Which presentation did you enjoy the most? List at least three things that made the presentation enjoyable to you: