Vaccine Development Timeline

- 1. Use the links below to research the development of several vaccines. Pay particular attention to the amount of time it took to develop each vaccine and what, if any, safety precautions were observed during the development.
 - a. https://www.historyofvaccines.org/timeline/all
 - b. https://www.statista.com/chart/21725/timeline-history-of-vaccinations/
 - c. https://www.cdc.gov/measles/about/history.html
 - d. https://www.cdc.gov/vaccinesafety/ensuringsafety/history/index.html
- 2. Summarize your findings in the provided table.

Vaccine Development Timeline:

Pathogen	Initial Outbreak (date and location)	Vaccine Developed (date and availability)	Vaccine Development Notes (including safety precautions)
Smallpox	1545 First documented epidemic in India	1796- Inoculation with cowpox Early 1900s- 1st generation lymph based vaccines produced	Early vaccines, both live cowpox and 1st generation lymph based vaccines, caused symptoms, sometimes severe.
Polio			
Influenza A			
Ebola			
COVID-19			



View the Beyond the Blog Videos below at https://hudsonalpha.org/beyond-t	e-blog/.
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- a. "Treatment and Vaccine- May 6 Update," posted 5/8/20
- b. "Treatment and Vaccine- May 13 Update," posted 5/15/20
- c. "Treatment and Vaccine- May 20 Update," posted 5/22/20
- d. "Vaccine Update- July 27," posted 7/29/20
- 4. Use information from the videos to complete the final row of the table with similar information for the ongoing development of a vaccine for COVID-19. Some categories of information may be unavailable or unknown at this time.
- 5. Use your completed table to support your response to the summary prompts below.

Summary Questions:

1. In general, how has the pace of vacc	ne development for COVID-19 differed from the I	pace of development for other vaccines?
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2. Provide an explanation for variations in the pace of vaccine development for the diseases researched.

