

Name: _____

Pandemics: How do they compare over time and what impact do they have?

You are going to be investigating the basics of pandemics and information about COVID-19 in comparison to other pandemics in human history.

Start by going to the home page of Mr. Smith's blog <http://blogs.carrollk12.org/dnsmith/> and check out the video links on diseases and pandemics in history.

You will complete research using your resources and/or the resources provided for you on COVID-19 and a historical pandemic of your choosing from the following list:

- Flu Pandemic-1968 “the Hong Kong Flu”
- Asian Flu, 1956-1958
- Spanish Influenza, 1918
- Cholera Pandemic, 1852-1860
- The Great Plague of London, 1665
- The Black Death, 1346-1353

Within your project, you will answer each of the following questions:

- ✓ What makes a disease a pandemic?
- ✓ What exactly is COVID-19?
- ✓ So far, how has COVID-19 affected society, culture, politics and the economy?
- ✓ What are the basics about the pandemic that you chose?
- ✓ How did it affect people individually and their social interactions?
- ✓ How did it affect the government and politics?
- ✓ How did it affect business and the economy?
- ✓ What was the medical or technological response to the pandemic?
- ✓ How did the pandemic finally end?
- ✓ What are similarities between the Covid-19 Virus and the pandemic you chose?
- ✓ What are the differences?
- ✓ What can we learn from studying the history of pandemics?

Create a public informational presentation with PowerPoint, a poster, a handbook, or a video public announcement that explain the answers to all the outlined questions. Your project should be accurate, neat and creative in its presentation.

Rubric:

___/36: Each of the questions answered and analyzed within the project (3 points each)

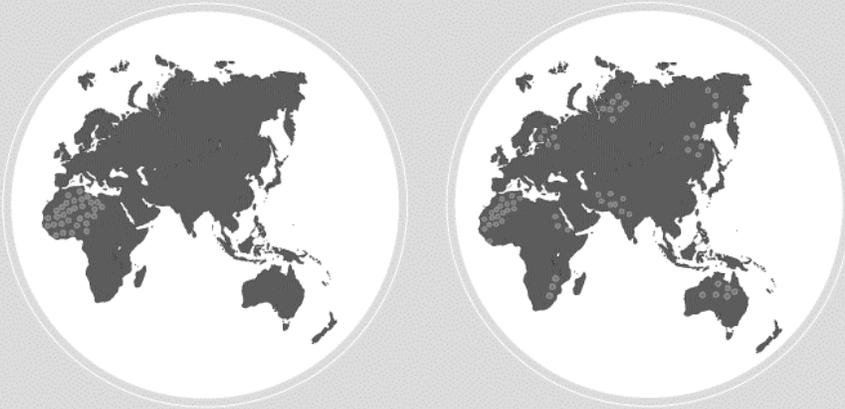
___/ 10: Project is informative, well organized, neat and creative

___/46: **Total**

If you have questions, e-mail your respective teacher. And if there are typos-blame Mrs. Bell. Wash your hands kids and hope to see your healthy faces soon!

Pandemic vs. Epidemic

DIFFERENCE BETWEEN EPIDEMIC AND PANDEMIC 



EPIDEMIC

- An epidemic is an outbreak of disease that affects many in a population and begins to spread rapidly.
- An outbreak of disease is considered an epidemic if it affects a certain number of people within a short period of time, typically within 2 weeks.

PANDEMIC

- Pandemic is a larger epidemic. A pandemic covers several countries or spreads from one continent to another.
- In pandemic outbreaks, the number of people affected or killed doesn't matter as much as the rate of spread and how far it has spread.

COVID-19 Background

CDC is responding to an outbreak of respiratory disease caused by a novel (new) coronavirus that was first detected in China and which has now been detected in more than 100 locations internationally, including in the United States. The virus has been named “SARS-CoV-2” and the disease it causes has been named “coronavirus disease 2019” (abbreviated “COVID-19”).

On January 30, 2020, the International Health Regulations Emergency Committee of the World Health Organization declared the outbreak a “public health emergency of international concern” (PHEIC). On January 31, 2020, Health and Human Services Secretary Alex M. Azar II declared a public health emergency (PHE) for the United States to aid the nation’s healthcare community in responding to COVID-19. On March 11, 2020 WHO publicly characterized COVID-19 as a pandemic.

Coronaviruses are a large family of viruses that are common in people and many different species of animals, including camels, cattle, cats, and bats. Rarely, animal coronaviruses can infect people and then spread between people such as with MERS-CoV, SARS-CoV, and now with this new virus (named SARS-CoV-2).

The SARS-CoV-2 virus is a betacoronavirus, like MERS-CoV and SARS-CoV. All three of these viruses have their origins in bats. The sequences from U.S. patients are similar to the one that China initially posted, suggesting a likely single, recent emergence of this virus from an animal reservoir.

Early on, many of the patients at the epicenter of the outbreak in Wuhan, Hubei Province, China had some link to a large seafood and live animal market, suggesting animal-to-person spread. Later, a growing number of patients reportedly did not have exposure to animal markets, indicating person-to-person spread. Person-to-person spread was subsequently reported outside Hubei and in countries outside China, including in the United States. Some international destinations now have apparent community spread with the virus that causes COVID-19, as do some parts of the United States. Community spread means some people have been infected and it is not known how or where they became exposed. Learn what is known about the spread of this newly emerged coronaviruses.

To analyze the effects of Coronavirus, you will need to read or watch the news to see how it is affecting society, culture, politics and the economy. You can also note down the personal experiences you are having or people you know.