



Social Studies Virtual Learning

Geography

April 16, 2020



Geography

Lesson: April 16, 2020

Objective/Learning Target: Students will determine the most polluted countries in the world by looking at statistics

Warm Up--Study the picture--answer the following questions



Warm-up continued

1. How are the two pictures similar?
2. How are the two pictures different?
3. What causes that difference?
4. Where do you think this picture was taken?
Why?

Warm-up Answers

1. Both pictures are of the same city believe it or not!
2. The two pictures are different because the picture on the left shows a city without any air pollution, the picture on the right shows the same city, but with air pollution
3. Air pollution and factory smog causes the difference between the two pictures.
4. The picture was taken in China, many Chinese cities look like this, because of their factories.

Lesson Activity

Pollution can be defined by saying anything that is introduced into an environment that is foreign and can be hazardous for any species that lives in the area.

We are going to look at different statistics and graphs to help determine what the most polluted country in the world is

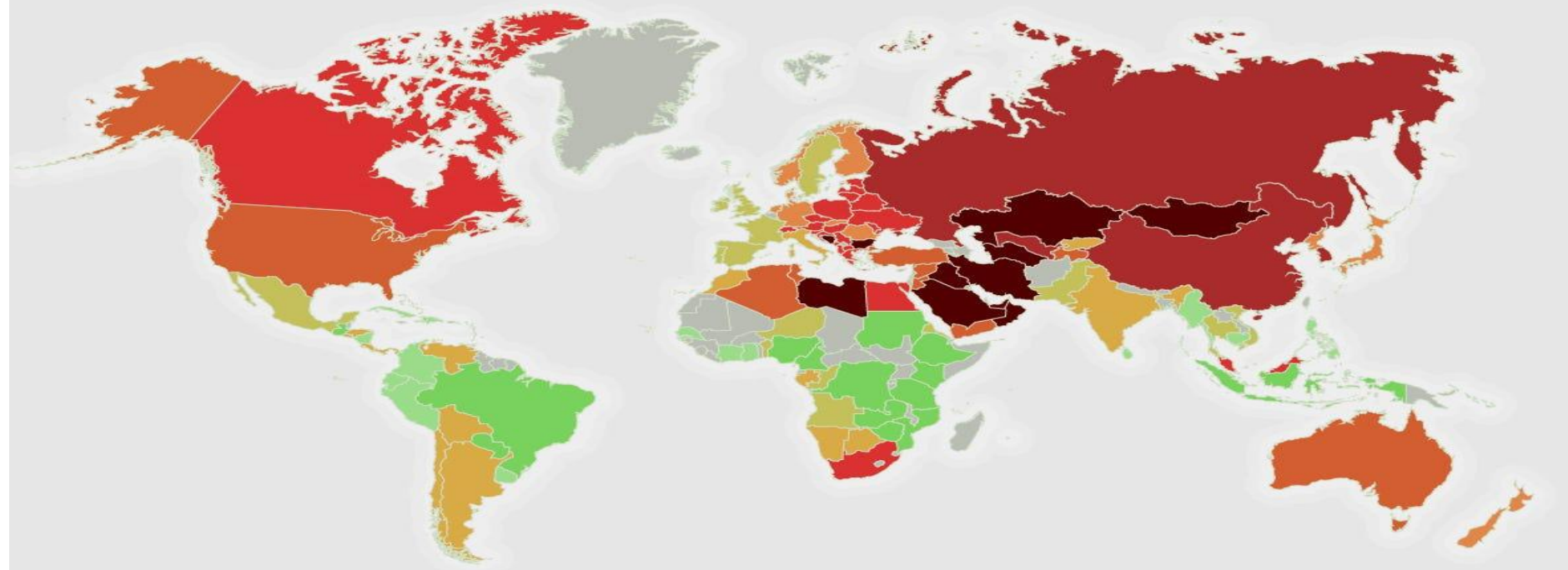
Directions

1. We will be looking at different graphs and charts.
2. You will have questions over each graph or chart to answer
3. Get a sheet of paper and see if you can answer all of them!
4. There are many ways to look at pollution, so there will be different kinds of graphs and charts.

Lesson Activity--Most toxic countries (Business Insider)

THE LEAST TOXIC -----> THE MOST TOXIC

1-15 16-30 31-45 46-60 61-75 76-90 91-105 106-120 121-135 NO DATA



Most toxic countries questions

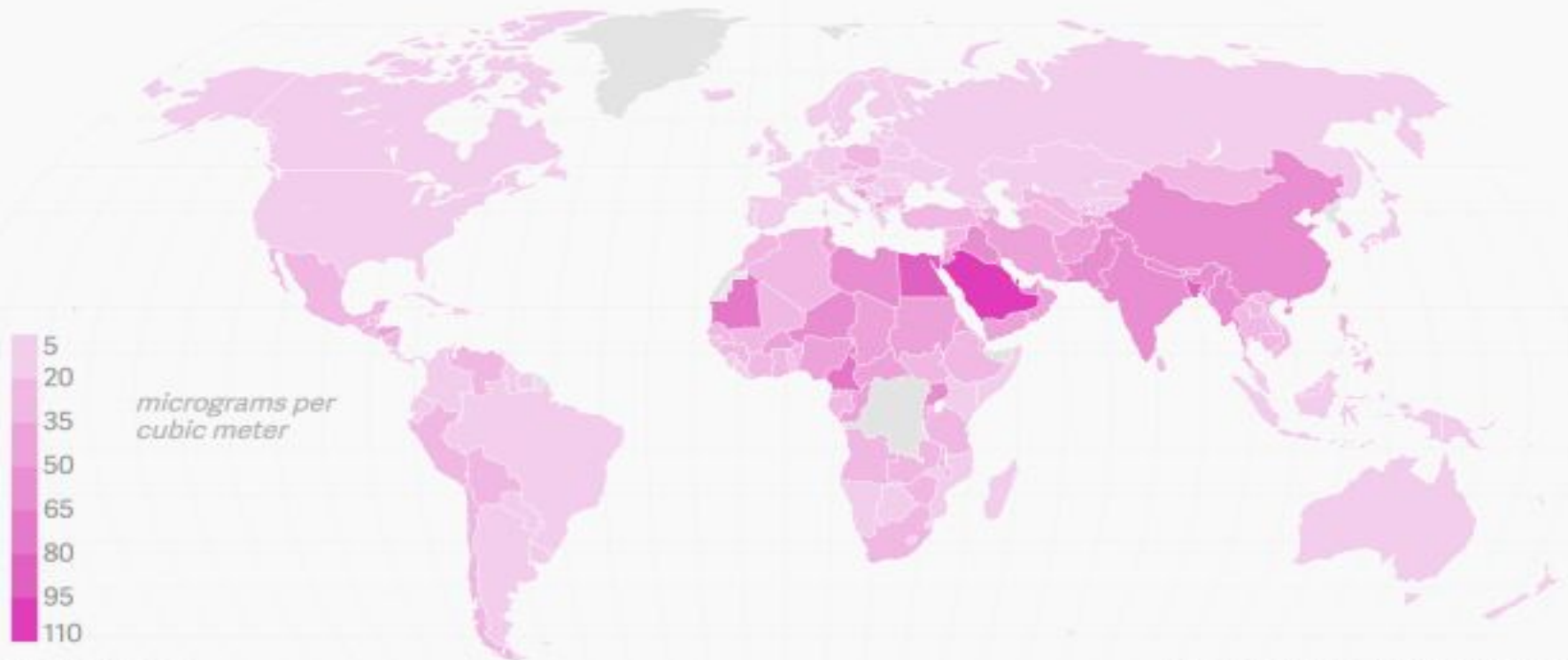
1. What areas of the world, according to the map are the most toxic?
2. What areas of the world are least toxic?
3. What do you think toxic pollution is?
4. Where does the United States rank when it comes to toxic pollution?
5. Why do you think some countries have more toxic pollution than other?

Answers

1. Southwest Asia, Southeast Asia, and portions of Europe
2. South America and Africa
3. Toxic pollution is not just air pollution. It is oil waste and nuclear waste as well.
4. In the range of 76-90
5. Oil production is a leading cause of toxic pollution, also the dumping of nuclear waste.

Air pollution

Annual median concentration of particulate air pollution



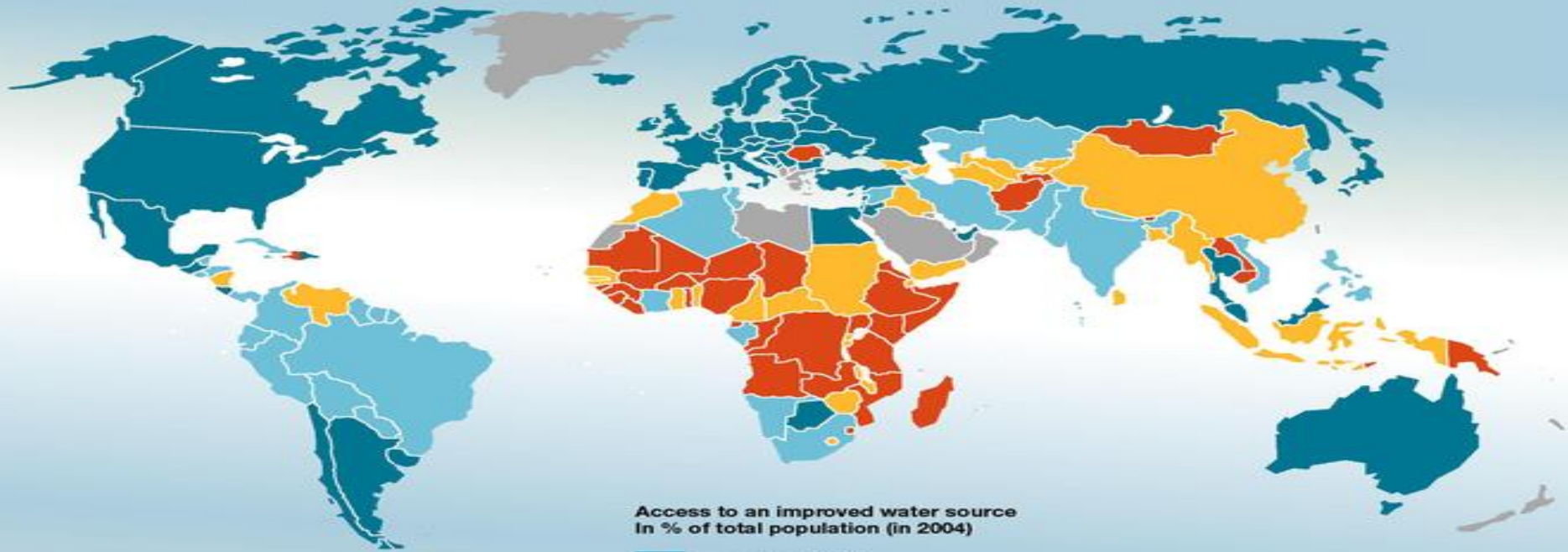
Air Pollution--Questions

1. What areas seem to have the most air pollution?
2. What areas seem to have the least air pollution?
3. Where does the United States rank?
4. Why do you think some areas have more air pollution than other?

Air Pollution---answers

1. Southwest Asia, North Africa, and Southeast Asia
2. North America, South America, Europe, and North Asia
3. In the range of 5-20
4. The amount of factories producing smog. Also the oil producing countries have more.

Water Pollution



1. According to the definition of UNICEF and WHO: piped water into dwelling, Public tap/standpipe, Tubewell/borehole, Protected dug well, Protected spring, Rainwater collection.

Sources: World Health Organization (WHO) and United Nation's Children's Fund (UNICEF), *Meeting the MDG Drinking Water and Sanitation Target: The Urban and Rural Challenge of the Decade*, Geneva (WHO) and New York (UNICEF), 2006.

Water Pollution--Questions

1. Which areas of the world seem to have the most water pollution?
2. Which areas of the world seem to have the least water pollution?
3. Where does the United States rank?
4. Why do you think some areas have more water pollution than others?

Water Pollution----answers

1. Africa
2. North America, Russia, and Australia.
3. More than 95% have safe drinking water
4. Access to clean water, oil spills, and sanitation services.

Reflection

After reviewing all of the pictures, charts and graphs decide what you think is the most polluted area in the world.

Write a paragraph (5-7 sentences) making your claim and supporting your answer.

There is no wrong answer! Convince the reader that you are right.