



GRADES K-2

ACTIVITY 2 WORLD OF POWER



Part 1. Most of the electricity we use in our homes and schools is produced, or **generated**, in power plants. Some power plants burn fossil fuels that are found underground. These are **non-renewable** energy sources because they can't be replaced after they are burned. Energy from the sun is a **renewable** energy source because we can keep using it without ever running out.

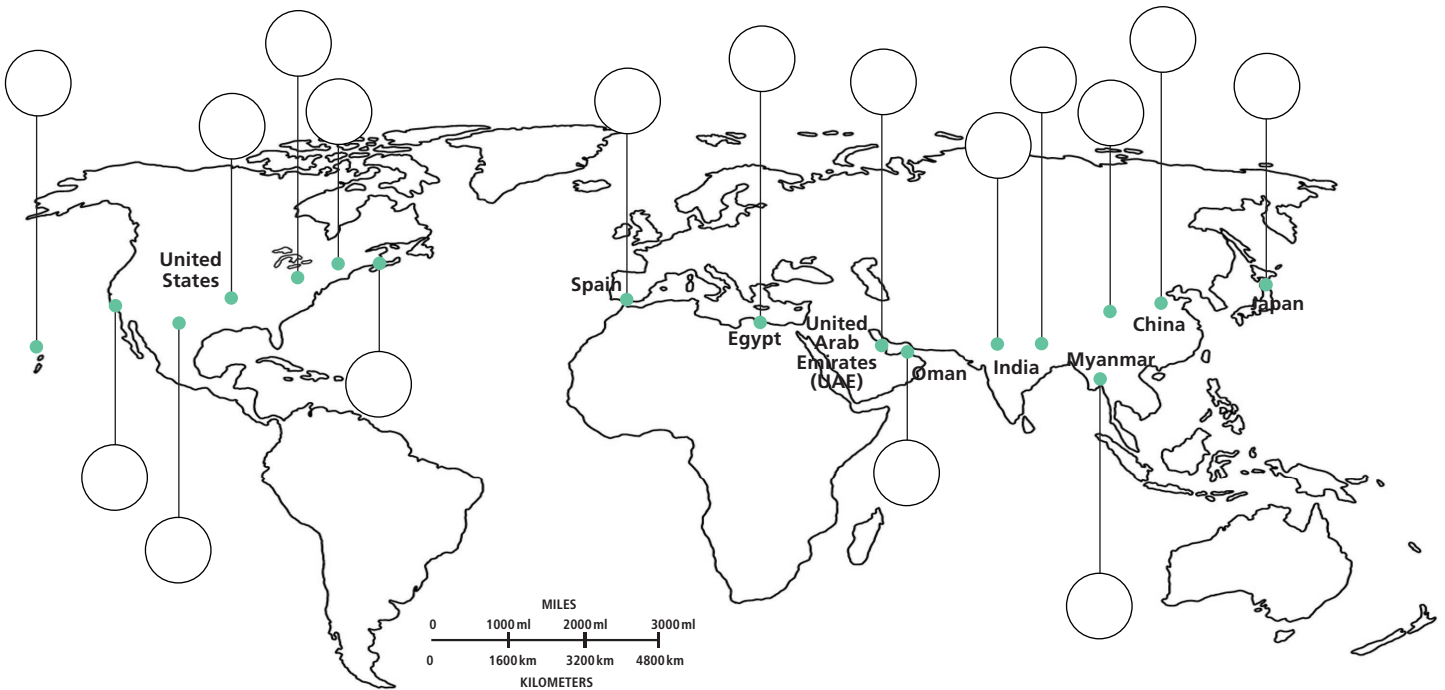
Circle the renewable energy sources below:

sunlight natural gas rivers uranium cow manure coal wind

Burning fossil fuels can hurt the environment, because more greenhouse gases are produced, and mining and drilling can also have negative effects. But there's hope! As we see from **Planet Power** and the flight of Solar Impulse 2, renewable energy sources can save money, help the Earth, and power our lives!

Part 2. Solar Impulse 2 was the first plane to fly around the world using *only* solar power. Bertrand Piccard, André Borschberg, and their team worked for 13 years to make it happen! The trip took more than a year and 17 separate flights.

The map below shows the path of Solar Impulse 2 and the countries where it stopped along the way. Write the letters in the circles on the map to show the places where the plane stopped as it traveled around the world. You may wish to decorate your map by adding colors and/or textures to represent land, oceans, etc.



- A.** Abu Dhabi **B.** Muscat **C.** Ahmedabad **D.** Varanasi **E.** Mandalay **F.** Chongqing **G.** Nanjing **H.** Nagoya **I.** Honolulu, Hawaii
- J.** San Francisco, California **K.** Phoenix, Arizona **L.** Tulsa, Oklahoma **M.** Dayton, Ohio **N.** Lehigh Valley, Pennsylvania
- O.** New York, New York **P.** Seville **Q.** Cairo

The record-setting journey of Solar Impulse 2 ended where it began, in Abu Dhabi. Now answer these questions to learn more about this great adventure.

1. In how many countries did Solar Impulse 2 land on its trip? _____
2. What was the longest flight? From _____ to _____
3. What was the shortest flight? From _____ to _____
4. Which city is closest to where you live? _____
5. The flight from Nagoya, Japan, to Honolulu, Hawaii, broke the world record for the longest non-stop flight by one person alone in an airplane! It took 5 days and 5 nights. What ocean did it cross? _____

