

Name: \_\_\_\_\_

## Investigating Natural Gas Production and Consumption with My World GIS Investigation Sheet

Natural gas is made up of remains of dead plants and animals that lived millions of years ago. In this activity, you will use My World GIS to investigate patterns of natural gas production and consumption. You will

1. Examine countries with natural gas reserves.
2. Compare natural gas production and consumption of countries in 1980 and 2008.
3. Investigate the relationship among countries' natural gas consumption and its population.

Read **all** instructions on your handout and answer **each** question.

1. How many countries in the world have natural gas reserves? \_\_\_\_\_  
**Helpful hint:** Click the **Reserves (Trillions Cubic Feet)** column twice to sort it in descending order.
2. Which 6 countries have the most natural gas reserves in the world? List each country and the amount of natural gas reserves in the **Top 6 Countries with Natural Gas Reserves Data Chart** below.

**Top 6 Countries with Natural Gas Reserves Data Chart**

Country Name	Reserves (Trillions Cubic Feet)

3. Which countries produced a large amount of natural gas in 2008 and in 1980? List each country and the amount of natural gas it produced in the two data charts below.

**2008 Natural Gas Production Data Chart**

Country	Amount of Natural Gas Produced (Billion Cubic Feet)
1.	
2.	
3.	
4.	

## 1980 Natural Gas Production Data Chart

Country	Amount of Natural Gas Produced (Billion Cubic Feet)
1.	
2.	
3.	
4.	

4. How many countries produced natural gas in 2008? \_\_\_\_\_  
**Helpful hint:** Click the **GP2008 (Billion Cubic Feet)** column twice to sort it in descending order then scroll down.

5. Which 3 countries **increased** their natural gas production the most between 1980 and 2008?  
**Helpful hint:** Click the **Gas Production Difference** column twice to sort it in descending order.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

6. Which 3 countries **decreased** their natural gas production the most between 1980 and 2008?  
**Helpful hint:** Click the **Gas Production Difference** column twice to sort it in ascending order.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

7. Which 3 countries **increased** their natural gas consumption the most between 1980 and 2008?  
**Helpful hint:** Click the **Gas Consumption Difference** column twice to sort it in descending order.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

8. Which 3 countries **decreased** their natural gas consumption the most between 1980 and 2008?  
**Helpful hint:** Click the **Gas Consumption Difference** column twice to sort it in ascending order.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

9. How many countries consumed natural gas in 2008? \_\_\_\_\_  
**Helpful hint:** Click the **GC2008 (Billion Cubic Feet)** column twice to sort it in descending order then scroll down.

**Natural Gas Data Chart**

<b>Country</b>	<b>Natural Gas Produced in 2008 (Billion Cubic Feet)</b>	<b>Natural Gas Consumed in 2008 (Billion Cubic Feet)</b>
Russia		
Canada		
United States		
Algeria		
United Kingdom		

10. Where do you think Russia exported the natural gas it produced that was not consumed?

---

11. From where do you think the USA imported the additional natural gas it needed for consumption?

---

12. How was the natural gas transported to those countries?

---