Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Population Notes

Lesson Objectives

1. Students will be able to:
2. Students will be able to:

Counting People: Population

**Population**:

* Geographers study \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to understand \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Demography

* The study of population is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Scientists who study demographics are called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

Urban vs. Rural

* Half of the earth’s people live in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* The other half live on\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

Urban Words

* **City, or metropolis** –
* **Megalopolis** –
* **Suburbs** –

**Population Density:**

 To find population density, divide the number of people in a place by the total area of that place.

Population Density

Largest Countries:

|  |  |
| --- | --- |
| **By Area: sq. miles** | **By Population** |
| 1. | 1. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |

DAY 2: How fast is the World Growing?

* The world’s population increases \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. That’s nearly \_\_\_\_\_\_\_\_ people a minute, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ people an hour, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ people a day.

Population Data

**Average Family Size:**

**Birth Rate:**

**Death Rate:**

**Doubling Time:**

**Life Expectancy:**

**Population Growth Rate:**

**Population Pyramid:**

Population Pyramid: Afghanistan

* How many females in your age group?
* How many males?

Population Pyramid: Congo

* How many females in your age group?
* How many males?

Hong Kong –one of the most densely populated places in the world.

**Doubling**

* Imagine that all the years from A.D. 1 to the year A.D. 2000 took place in just 24 hours. Now you have an imaginary clock to measure how fast the world’s population is growing. The list below shows that the Earth’s population doubled several times in those 24 hours.

 12:00 a.m. 200 million people in the world

 7:48 p.m. Population doubles to 400 million

 10:12 p.m. Population doubles to 800 million

 11:00 p.m. Population double to 1.6 billion

 11:35 p.m. Population doubles to 3.2 billion

 11:59 p.m. Population will double to 6.4 billion

During the 24 hours, how many times has the world’s population doubled. How long did it take for the world population to double the first time? The last time?

**B.C. to 2000 World Population:** Using the graph answer the following question

What was the world’s population in 1800?

 A. 1.5 Billion B. 1 Billion

C. 3 Billion D. .5 Million

**Reasons for Population Growth:**

* Farming methods:
* Green Revolution:

**Reasons for Population Growth:**

* Scientific Advancements in Medicine and Health.
* 1.
* 2.
* 3.
* 4.

**The Challenges of Population Growth**

* Using resources\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Shortage of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Shortage of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Scarcity of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Not enough\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to purchase food
* People of India spend \_\_\_\_\_\_\_\_of money on food.
* United States less than \_\_\_\_\_\_\_\_\_

**The Challenges of Population Growth**

* People can’t \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Perpetual Education Fund – LDS church
* Not enough \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the growing number of children
* Public services like\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are inadequate.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – India and Pakistan
* Lack of trees affect the supply of clean air.

**How much grain do…**

* Americans consume?
* poorer people like Indians consume?

* Americans consume directly (food grains)?
* Indians consume directly (feed grains)?

* Some countries use more than their fair share of resources
* It takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as much soil, water, & fertilizer to feed a person in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than in places like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!