Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ *AP Environmental Science*

**The Material World**

It is important to understand how different the lives of others are compared to ours. Each of the pictures depicts a typical family in a developing, underdeveloped or developed country. Behind each picture, information is provided on each family as well. Study each picture and fill in the table.

Affluence, or abundance of supply or wealth, plays a role in a society’s impact on the environment. Determine the relative environmental impact (high, medium, low) in each of the countries.

I = PAT

I= Impact

P= Population

A= Affluence

T= Technology

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | China | Japan | Mali | India | United States |
| Country’s Population |  |  |  |  |  |
| # of people in the family |  |  |  |  |  |
| Fertility Rate(children/family) |  |  |  |  |  |
| Life Expectancy(male & female) |  |  |  |  |  |
| Dwelling Size |  |  |  |  |  |
| Education level for women(Illiteracy Rate) |  |  |  |  |  |
| Estimated per capita income |  |  |  |  |  |
| Important Material Possessions (Use picture to determine) |  |  |  |  |  |
| Most Valued possession (Use picture to determine) |  |  |  |  |  |
| Interesting Fact |  |  |  |  |  |
| Environmental Impact (high, medium, or low) |  |  |  |  |  |

**Questions:**

1. In what country or countries do you think population is growing the fastest? WHY?
2. Give at least TWO reasons why the family in Mali, and countries like it, would have more than three children?
3. What country or countries would have the greatest problem dealing with solid waste disposal? WHY?
4. Which country or countries would consume the greatest amounts of fossil fuels (oil, coal, natural gas)?
5. Rank the countries in order from highest environmental impact (1) to lowest environmental impact (5).

1.

2.

3.

4.

5.