|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group** | **Impact** | **Population** | **Affluence** | **Technology** |
|  | Example: *CO2 emissions (tonnes/person*) | N/A\* | N/A\* | Example: *Energy production, per person* |
| **1, 5** | **Per capita material footprint (tonnes/person)** |  |  | **Personal computers (# personal computers/100 people)** |
| **2, 6** | **Per capita sulfur emissions (kg sulfur/person)** |  |  | **Broadband subscribers (# subscribers/100 people)** |
| **3** | **Plastic percent of waste consumption (% plastic of all municipal solid waste)** |  |  | **Roads paved (% of total roads)** |
| **4** | **Biomass stock in forest (tons of organic material)** |  |  | **Cars, trucks, buses (#/1000 people)** |

1. Complete research on the Impact and Technology Variables
2. How are the variables computed?
3. How often is the data updated?
4. Strengths and Weaknesses of data
5. Similar to Part A: Describe the overall pattern of the bubbles (i.e. countries) in your graph. Do the patterns follow the IPAT framework? Why or why not?
6. Each group member should describe one country
7. Does it meets the criteria?
8. Please research your country to explain your answer. (Economics, Cultural, Political, etc.)
9. Each group member should research a time period from the graph and examine global conditions.
10. Does it help explain IPAT?