A.P.E.S. POPULATION ANALYSIS from census.gov and geohive.com

Directions: Use the data in the packets provided. Each student must turn in separate assignments. Use a ruler, use colors, and label each axis. Title each graph.

WHAT TO TURN IN: **Graph #1, Graph #2, Graph #3, Data List, Graph #4**

DATA SET 1: WORLD POP. NUMBERS
Total Mid-year Population for the World: 1950-2050 (projected)
>**Graph #1**: population vs. year
>- Line graph or bar graph
>
>**Graph #2**: average annual growth rate (%) vs. year
>- Line graph or bar graph
>- Graphs #1 and #2 use data according to your lab station number:
>   - GROUP 1: 1950 – 1969
>   - GROUP 2: 1970 – 1989
>   - GROUP 3: 1990 – 2009 (projected)
>   - GROUP 4: 2010 – 2029 (projected)
>   - GROUP 5: 2030 – 2050 (projected)
>   - GROUP 6: 1950 – 1969

DATA SET 2: ENERGY CONSUMPTION
Energy Consumption by country and type
>**Graph #3**: total consumption vs. country number
>- Line graph or bar graph
>- Graph #3 uses data according to your station number:
>   - GROUP 1: Country # 51-60 (Hungary to Republic of Ireland)
>   - GROUP 2: Country # 41-50 (Greece to China-Hong Kong)
>   - GROUP 3: Country # 31-40 (Uzbekistan to Austria)
>   - GROUP 4: Country # 21-30 (Taiwan to South Egypt)
>   - GROUP 5: Country # 11-20 (Brazil to Indonesia)
>   - GROUP 6: Country # 1-10 (USA to South Korea)
>
>**Data List**:
>- Per country in your list: List the percentage of each type of energy as compared to the total amount for that country
>- Per country in your list: List the percentage of the total energy as compared to the world total

(DATA SET 3: WORLD POP. DEMOGRAPHICS: Read over for reference.)

DATA SET #4: U.S. POP. ESTIMATES
Historical National Population Estimates: July 1, 1900 to July 1, 1999
Graph #4: national population vs. year
>- Line or bar graph
>- Graph #4 uses data according to your station number:
>   - GROUP 1: 1999 – 1980   GROUP 4: 1939 – 1920
>   - GROUP 2: 1979 – 1960   GROUP 5: 1919 – 1900
>   - GROUP 3: 1959 – 1940   GROUP 6: 1999 – 1980