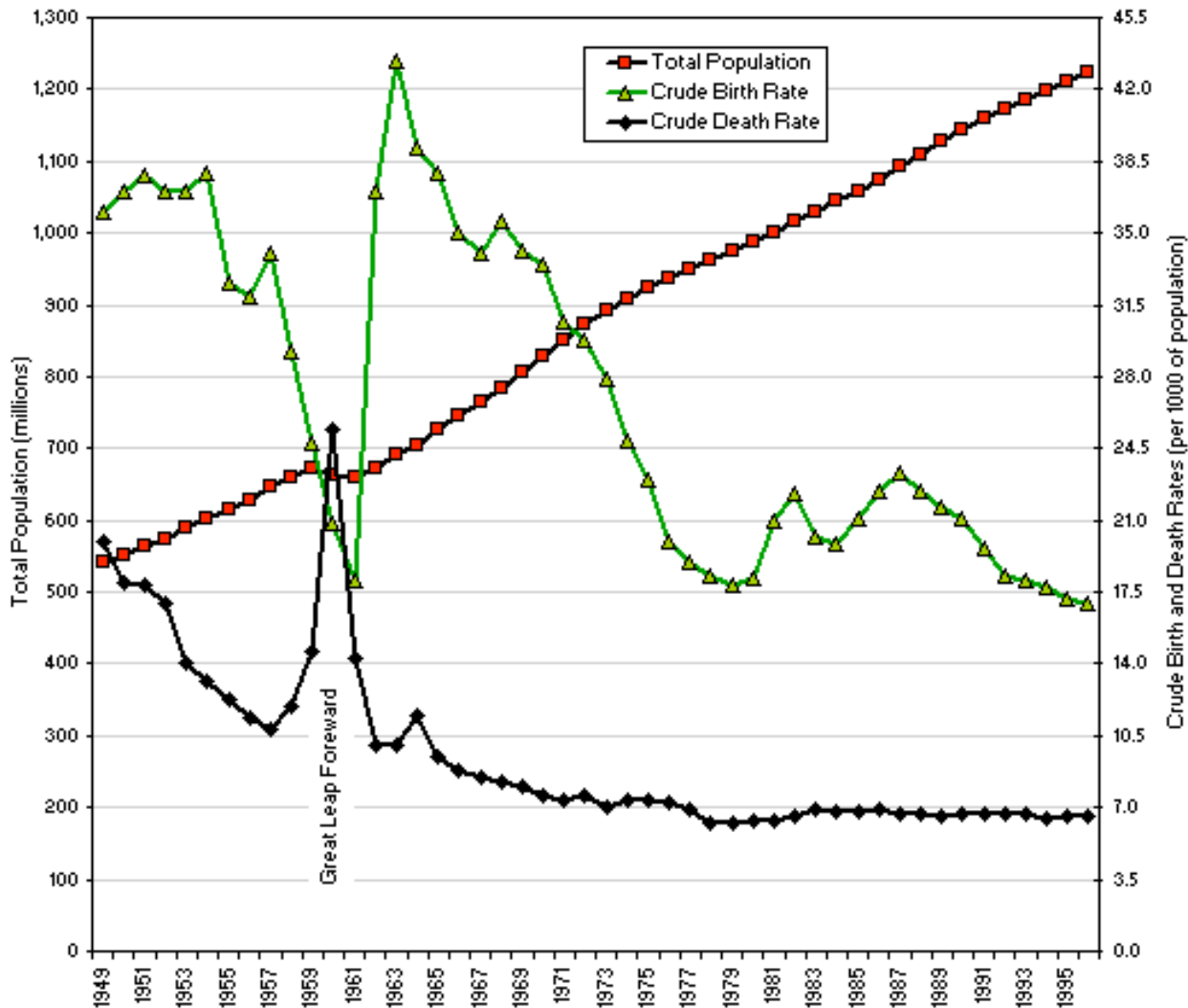Student Worksheet on Reading a Graph

Name _____ Date _____ Period _____

Population growth, crude birth and death rates, 1949 – 1996

Source: China Statistical Yearbook (various years), Beijing

1) What is the <u>Title</u> of this graph? _____

_____

2) What information can be found on the <u>x-axis</u>? _____

3) Why are there two <u>y-axes</u> on this graph? _____

_____

4) According to the legend, which <u>line</u> represents <u>Total Population</u>? _____

5) What was China's <u>population in 1949</u>?

_____

6) According to the legend, which underline represents Crude Birth Rate?

_____

7) What was China's Crude Birth Rate (CBR) in 1949? _____

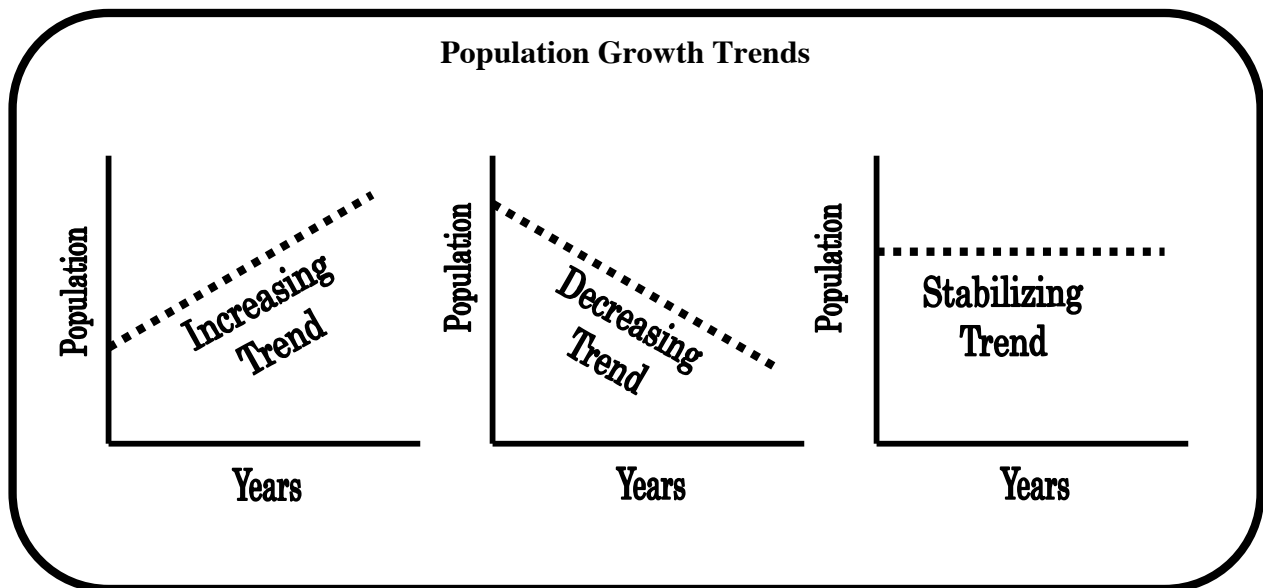8) According to the legend, which line represents Crude Death Rate?

_____

9) What was China's Crude Death Rate (CDR) in 1949? _____

10) During what year was China's CDR greater than its CBR? _____

11) Hypothesize or give a rational explanation for why this occurred: _____

_____

_____

12) During what year did China's CBR reach its highest peak? _____

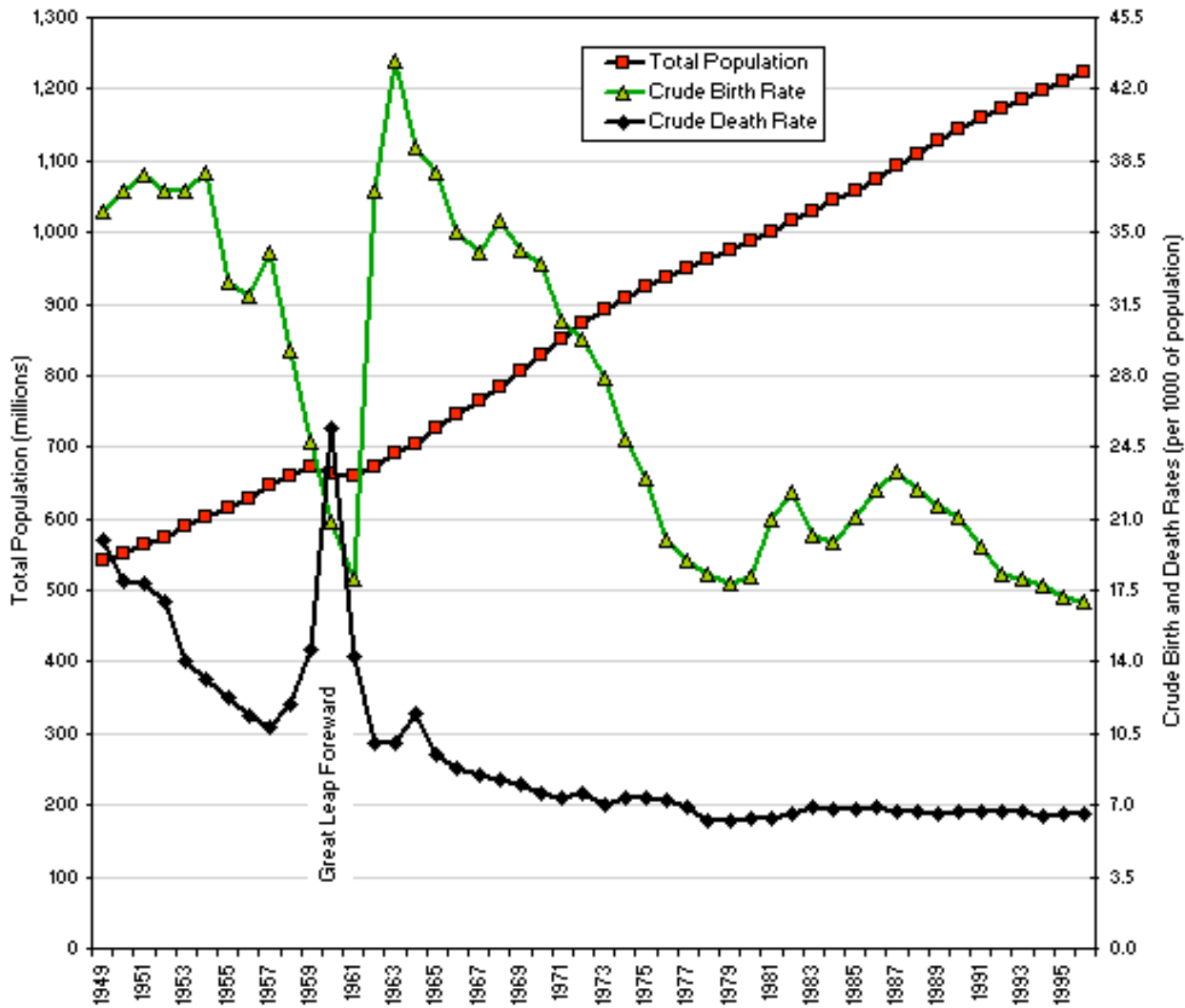13) A Chinese citizen born in this peak year would be how old TODAY? _____

Population Growth Trends

14) What happened to China's CDR from 1970 to 1996?

_____

Hypothesize or give a rational explanation for why this occurred:

_____

_____

15) Looking at the graph, how would you describe China's overall trend in population growth?

_____

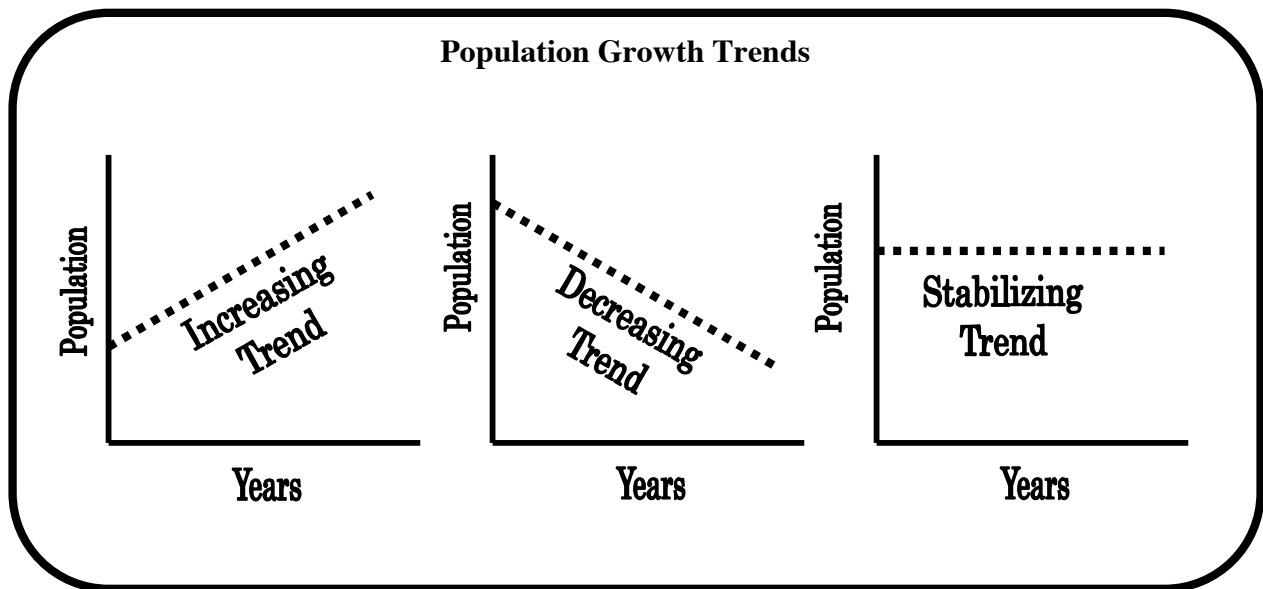## Population growth, crude birth and death rates, 1949 – 1996

Source: China Statistical Yearbook (various years), Beijing

1) What is the Title of this graph?   *Population Growth, crude birth and death rates, 1949-1996*

2) What information can be found on the x-axis?   *Years*

3) Why are there two y-axes on this graph?   *The one on the Right measures CBR & CDR, while the one on the left measures total population.*

4) According to the legend, which line represents Total Population?   *the line with squares*

5) What was China's population in 1949?   *540 million*

6) According to the legend, which line represents Crude Birth Rate?   *the line with triangles*

7) What was China's Crude Birth Rate (CBR) in 1949?   *36 per 1000 of population*

8) According to the legend, which line represents Crude Death Rate?   *the line with diamonds*

9) What was China's Crude Death Rate (CDR) in 1949?   *20 per 1000 of population*

10) During what year was China's CDR greater than its CBR?   *1960*

11) Hypothesize or give a rational explanation for why this occurred: *Perhaps China was struck by some sort of disaster that killed off much of its population, such as: disease, war, flooding, earthquakes, or food shortages leading to famine.*

12) During what year did China's CBR reach its highest peak?   *1963*

_____

13) A Chinese citizen born in this peak year would be how old TODAY? **Answer will depend on year**

Population Growth Trends

14) What happened to China's CDR from 1970 to 1996?   *China's death rate stabilized; it leveled off at 7 deaths per 1000 of population.*

Hypothesize or give a rational explanation for why this occurred: *Health practices and medical care must have improved: more doctors, hospitals, medicines, immunizations, public health programs became available to the majority of the population.*

15) Looking at the graph, how would you describe China's overall trend in population growth?

The overall trend is an increasing population growth.