

## Graphing Statistical Data about Virginia

### Directions:

- ❖ Use the following data to create a bar graph on the graph page.
- ❖ Color each column according to Virginia's rank among the 50 states.
- ❖ Use two colored pencils, alternating colors as you go.
- ❖ Do not use marker or crayons because they cannot be easily erased in the event you make a mistake.
- ❖ Then, follow the directions in the box on the next page.

Category	Rank
1997 Residential Population	12
1994 Population in Metropolitan Areas	19
1996 Residential Population under 18	42
1996 Residential Population 65 or Older	43
1994 Infant Mortality Rate	16
1995 Doctors per 100,000 Population	13
1995 Public School Enrollment Rate	12
1995 Full-time College Enrollment	32
1994 Public Aid Recipients	40
1996 Non-Farm Employment	36
1995 Average Annual Pay	17
1996 Personal Income Per Person	14
1995 Median Household Money Income	16
1995 Energy Consumption Per Person	38
1995 Motor Vehicle Deaths	44
1995 Retail Sales Per Household	5
1995 Homeownership Rate	23
1995 % People Below the Poverty Level	38
1995 Federal and State Prisoners	17
1995 Violent Crime Rate	36
1995 Public School Teachers' Salaries	25
2000 Projected Population	12
2005 Projected Population	12

For each category decide if it is better for Virginia to be ranked high or low. Consider the following example based on information about Florida.

**In 1995 Florida ranked #1 in the number of violent crimes committed.**

**In 1995 Florida ranked #38 in household income.**

- If you were a Floridian, which would you prefer—to be ranked high or low for the number of violent crimes committed in your state?
  - Would you rather be ranked high or low in household income?
  - How would you feel about being #1 in the nation for violent crimes, but only 38<sup>th</sup> out of 50 states for household income?
1. When you have completed your graph, decide if Virginia would be better off to be ranked high or low in each category.
  2. Then, in the bottom row of the graph, mark “H” or “L” to indicate your preference.
  3. Be ready to defend your opinion when the class discusses the graph.

# Graphing Statistical Data about Virginia

Name: \_\_\_\_\_

<b>RANK AMONG 50 STATES</b>	<b>1997 Residential Population</b>	<b>1994 Population in Metropolitan Areas</b>	<b>1996 Residential Population under 18</b>	<b>1996 Residential Population 65 or Older</b>	<b>1994 Infant Mortality Rate</b>	<b>1995 Doctors per 100,000 Population</b>	<b>1995 Public School Enrollment Rate</b>	<b>1995 Full-time College Enrollment</b>	<b>1994 Public Aid Recipients</b>	<b>1996 Non-Farm Employment</b>	<b>1995 Average Annual Pay</b>	<b>1996 Personal Income Per Person</b>	<b>1995 Median Household Money Income</b>	<b>1995 Energy Consumption Per Person</b>	<b>1995 Motor Vehicle Deaths</b>	<b>1995 Retail Sales Per Household</b>	<b>1995 Homeownership Rate</b>	<b>1995 % People Below the Poverty Level</b>	<b>1995 Federal and State Prisoners</b>	<b>1995 Violent Crime Rate</b>	<b>1995 Public Teachers' Salaries</b>	<b>2000 Projected Population</b>	<b>2005 Projected Population</b>
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Remember: #1 rank is highest; 50<sup>th</sup> rank is lowest. Thus, the shorter the line, the higher the rank.