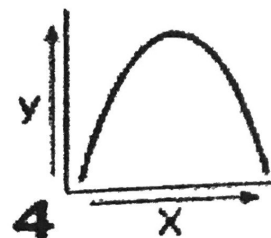
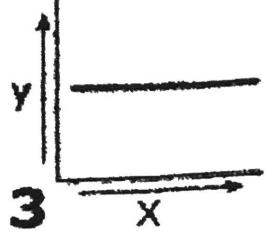
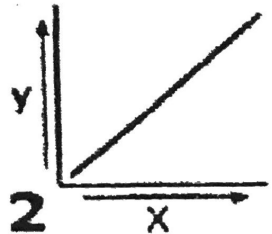
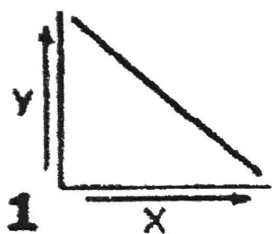


GRAPHING SURFACE PROCESSES



by Charles Burrows

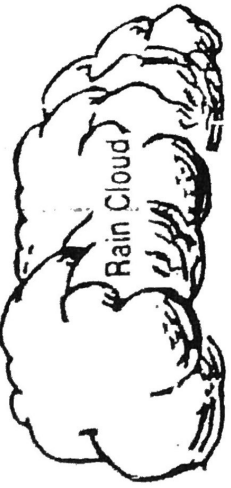
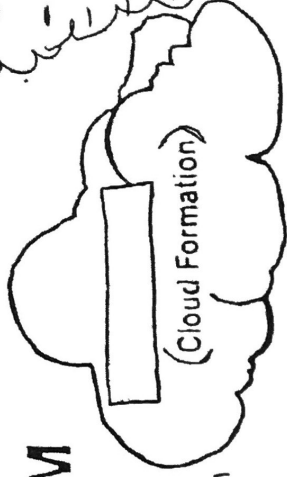
| | x | y | Graph # |
|----|--------------------|---------------|---------|
| 1 | plant growth | runoff | |
| 2 | permeability | runoff | |
| 3 | freezing | runoff | |
| 4 | plant growth | infiltration | |
| 5 | freezing | infiltration | |
| 6 | particle size | capillarity | |
| 7 | particle size | surface area | |
| 8 | evapotranspiration | time of day | |
| 9 | slope | runoff | |
| 10 | particle size | porosity | |
| 11 | slope | infiltration | |
| 12 | pore size | permeability | |
| 13 | saturation | infiltration | |
| 14 | pore size | capillarity | |
| 15 | packing | porosity | |
| 16 | roundness | porosity | |
| 17 | particle size | infiltration | |
| 18 | rainfall | runoff | |
| 19 | saturation | runoff | |
| 20 | particle size | runoff | |
| 21 | evapotranspiration | month of year | |
| 22 | particle size | permeability | |
| 23 | sorting | porosity | |
| 24 | permeability | infiltration | |

WATER (H₂O)

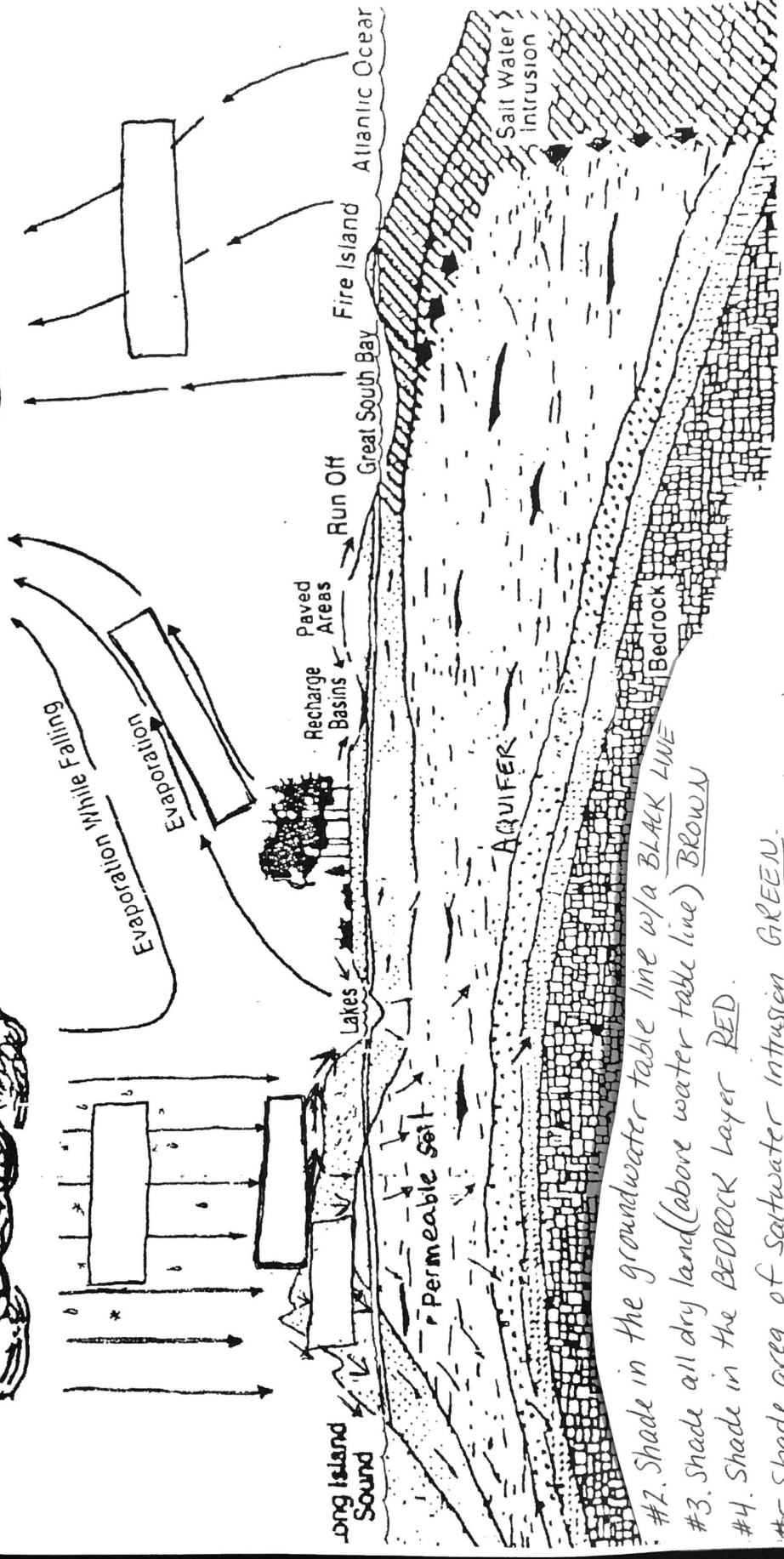
NAME: _____

THE HYDROLOGIC CYCLE + THE LONG ISLAND AQUIFER SYSTEM

- #1, Fill in boxes w/ terms.
- condensation
 - run off
 - evaporation
 - transpiration
 - precipitation
 - infiltration



Clouds Cool and Cause Precipitation



- #2. Shade in the groundwater table line w/a BLACK LINE
- #3. Shade all dry land (above water table line) BROWN
- #4. Shade in the BEDROCK layer RED.
- #5. Shade area of saltwater intrusion GREEN.
- #6. Shade all area of groundwater (under water table line and above bedrock line) BLUE (Don't color over saltwater area)