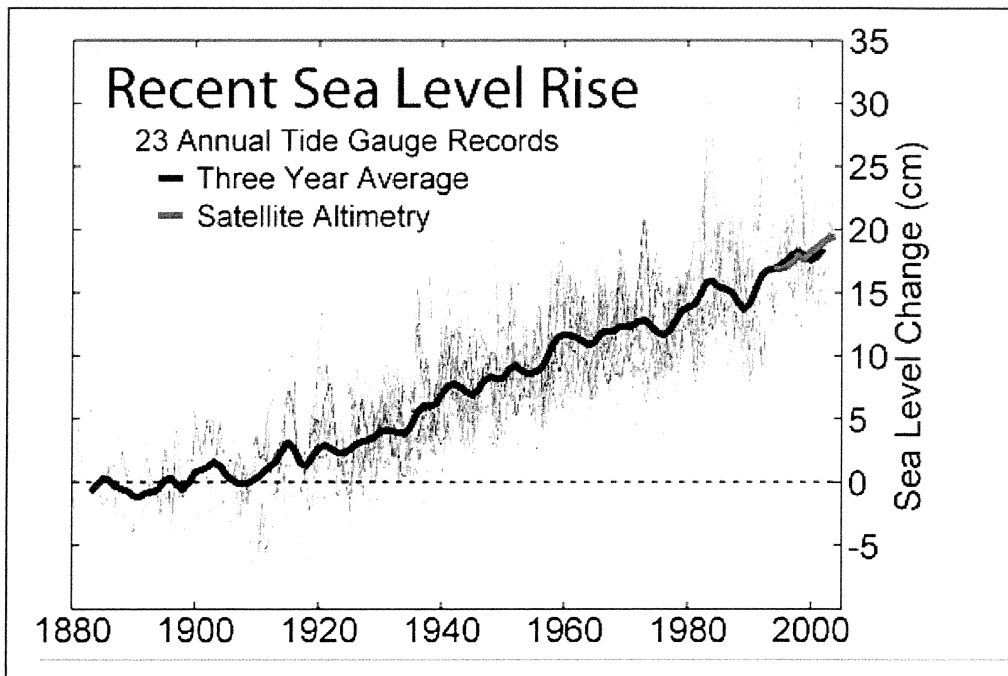


NAME: _____

SEA LEVEL CHANGE

Make a line graph using the data table below:

Sea Level (in meters) Compared w/ today	Thousands of years before present
0	0
-24	7
-124	15
-95	20
-75	33
-78	38
-80	40
-77	41
-80	45
-82	48
-60	50
-75	54
-57	58
-76	61
-73	70
-70	75
-58	79
-35	85
-38	90
-35	92
-37	95
-26	100
-55	105
-53	110
-5	115
-2	120
-60	125
-52	130
-132	140
-127	142
-132	144
-125	146
-140	148



Looking at both your graph and the graph above, answer the following questions in complete sentences

1. When was sea level lowest? What geologic time scale epoch is this (pg. 8 of your ESRT)? Age: _____ Epoch: _____
2. Aside from the present time, when was sea level highest? What geologic time scale epoch is this? Age: _____ Epoch: _____
3. Looking at the graph given above, estimate the amount of sea level rise over the last 20 years (in cm per year).
4. Climatologists at the USGS estimate that the sea level will rise 80 cm in the next century. More than 50% of the people in the U.S. live in coastal communities. What impact will sea level rise have on the U.S.?
5. Give two possible causes of sea level rise 120 thousand years ago.
6. Give two possible causes of current sea level rise.
7. You are a realtor specializing in beach front property in Florida, what changes in the community, local and state government policies, must be made so that you can continue your career?

