Name	P	Date	9

The last 10,000 years in Earth's history are known as the Holocene Epoch. During this time in Earth's history climatologists, scientists who study weather patterns, have found the oceans have had little change in their sea surface temperatures. Graph the sea surface temperatures from three locations in the North Atlantic Ocean (NA). Then answer the questions that follow.

kya = thousand years ago SST = sea surface temperature

Laurentian Fan		
Age (kya)	SST (°C)	
0.6	11.2	
1.4	11.1	
2.7	11.4	
3.6	11.7	
4.4	11.9	
5.7	12.0	
6.6	12.5	
7.5	12.2	
8.4	13.0	

Scotian Margin	
Age (kya)	SST (°C)
0.0	8.0
1.1	9.5
2.6	10.6
3.6	11.0
4.7	11.7
5.5	12.4
6.6	13.6
7.6	15.0
8.6	14.5
9.5	14.7

Virginia Slope	
Age (kya)	SST (°C)
0.7	14.4
1.4	15.1
2.6	16.0
3.5	16.3
4.7	17.0
5.8	17.7
6.9	18.0
7.7	17.8
8.9	18.1
9.6	18.0

Compare and contrast the NA Holocene Climate gr	aph to the Global Holocene climate graph.	
Similarities	Differences	
What do you think happens when scientists are presented with data that appears to be collected accurately but does not match with other pieces of data?		
sociately but does not materi with other process of data.		

Does the data provided support or refute the relative stability of sea surface temperatures in the

Holocene Epoch?

Name P Date

The last 10,000 years in Earth's history are known as the Holocene Epoch. During this time in Earth's history climatologists, scientists who study weather patterns, have found the oceans have had little change in their sea surface temperatures. Graph the sea surface temperatures from four locations in the world. Then answer the questions that follow.

kya = thousand years ago SST = sea surface temperature

Caribbean Sea	
Age (kya)	SST (°C)
0.3	28
1.5	28.2
2.4	28.1
3.6	28.2
4.5	28
5.6	27.9
6.5	27.6
7.5	27.6
8.6	27.6
9.5	27

South Atlantic Ocean	
Age (kya)	SST (°C)
0	24.3
1.6	24.46
2.6	24.4
3.4	24.2
4.6	24.1
5.3	24.3
6.2	24.5
7.5	24.1
8.5	23.8
9.6	23.5

Arabian Sea			
Age (kya)		SST (°C)	
С).2		27.3
1	.6		27.1
2	2.7		27.0
3	3.5		26.9
4	8.		27.1
5	5.9		27.2
6	6.6		26.7
7	'.3		26.8
8	3.7		26.7
9	9.9		26.7

South China Sea	
Age (kya)	SST (°C)
0.2	27.1
1.7	27.0
2.6	26.5
3.8	26.6
4.8	26.8
5.8	26.8
6.6	26.3
7.4	26.3
8.6	25.9
9.4	25.6

Compare and contrast the NA Holocene Climate gr	aph to the Global Holocene climate graph.	
Similarities	Differences	
What do you think happens when scientists are presented with data that appears to be collected accurately but does not match with other pieces of data?		

Does the data provided support or refute the relative stability of sea surface temperatures in the

Holocene Epoch?