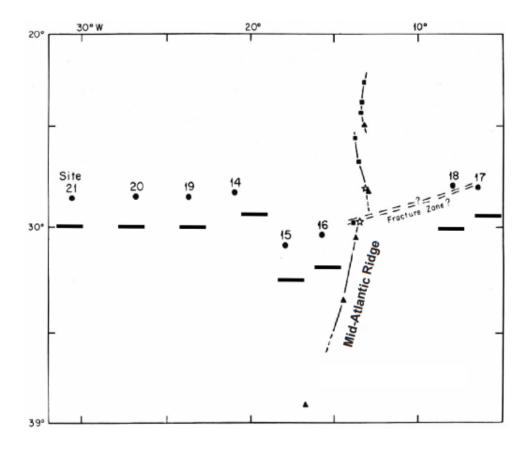
Part 1: Just the Facts!

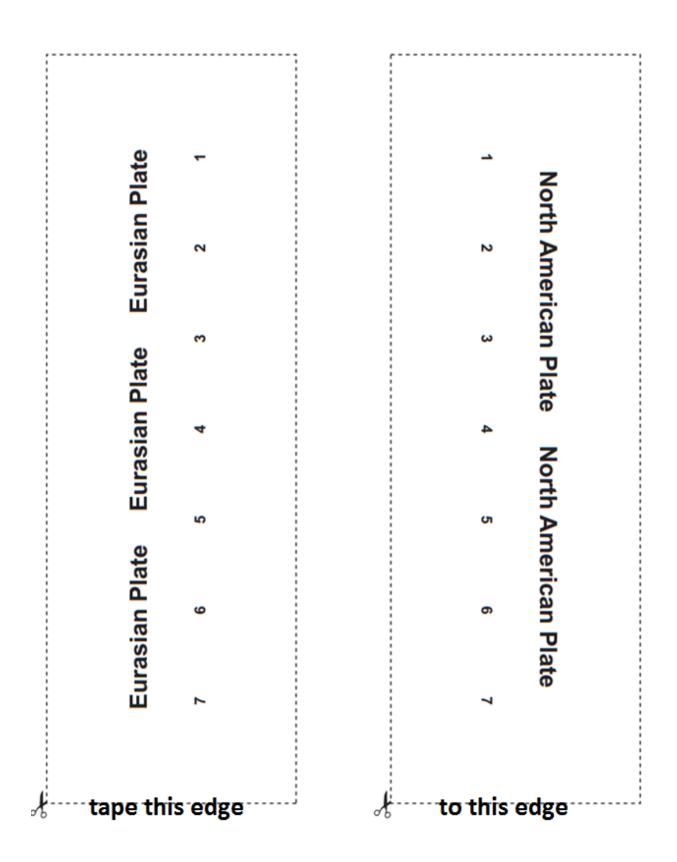
Use the data below and write the age of the sediments found at each site on the map below. (Write the age on the line by each site.) Then answer the questions on the next page.

Site	Age of Sediments (in millions of years)	Distance from Ridge (in km)
14	40	745
15	24	422
16	11	221
17	33	718
18	26	506
19	49	1010
20	67	1303
21	>76	1686



Conclusions:	NAME	HR
Part 1.		
1. Where are the youngest sedi	iments found, compared to the Mid-Atlantic Ridge?	
2. Where are the oldest sedime	nts found, compared to the Mid-Atlantic Ridge?	
3. How does the data support th	ne theory of sea floor spreading?	
Part 2. A Model for Movemen	ıt.	
Materials	Siit 'A'	Siit "B"
Base, Templates for plates, Sciss	ors, Tape	SIR B
Directions 1. Cut out the strips representing	the North American Plate and the Eurasian Plate.	
	rs on the inside) with the number 1 at the top.	
Use a small piece of tape to a number 7).	attach the two strips at the bottom edge (by the	
	the slot in the middle of the base, from the bottom.	
4. Feed one strip into slot A and	the other into slot B. (See diagram)	
5. Push the strips up from below	v the base until you can see the numbers 3, 4 and 5 on the	top.
Conclusions:		
Part 2.		
,	ushing the strips up through the center of the base?	(Hint: think of plate
	s A and B as you pull the strips down through the ba	
	ing today along mid-ocean ridges such as the Mid-Afe size of the Earth over time:	=

Templates for plate strips



Cut a slit here (SLIT A)

Cut a slit here
INSERT PLATE STRIPS HERE

Cut a slit here (SLIT B)