me		Date
I	Life and C	limate—Questionnaire
a. the Moon	ears ago, Earth fo b. asteroids	answers (there may be more than one) rmed from: c. cloud of gas and dust f. a galaxy
	o oxygen o oceans	d. the surface was still melted rock e. volcanoes erupted carbon dioixde f. there was no life on the planet
3.9 billion year a. Earth had on b. Earth had a c. Earth had le	xygen	d. The atmosphere began to cool e. there was no life on the planet f. first microscopic life appeared
The earliest life a. viruses d. blue-green a		romatolites c. worms ants f. seaweed
About 670 mill a. The first ma d. dinosaurs r	imals evolved	b. complex life started c. Pangaea formed e. first fish evolved f. Pangaea broke up
	ate dates that rock ck of this sheet if	ss were formed can be determined by the following met necessary):
a		b
C		d
e		f
a. absorbing ca d. increasing of By about 670 r	arbon dioxide global warming million years ago:	ne atmosphere by: b. giving off oxygen c. producing ozone e. absorbing sunlight f. growing in water tmosphere changed?

10.	Describe the long-term carbon cycle. Show a sketch and explain it in words. (Use a sheet of paper.)			
11.	Approximately how many degrees colder is the global average temperature during an ice age that during an interglacial period? a. 18°C b. 3°C c. 5°C d. 8°C e. 12°C f. 20°C			
12.	Briefly describe three ways that the climate has affected human evolution:			
Α				
В				
13.	In the following list, circle the changes that have been caused by people. a. more oxygen in the air b. more carbon dioxide in the air c. ice ages d. extinction of the dinosaurs e. warmer climate f. none of the above are true			
14.	Name at least three activities of modern humans that have the potential to change Earth climate.			
Α				
В				
—- С. ₋				
15.	Life on Earth has survived at least 3.5 billion years or longer because: a. Life can survive any any conditions b. There are many forms of life c. Earth's temperature has not changed too much d. The ozone layer protects all living things e. Energy from the sun has always been perfectly constant			