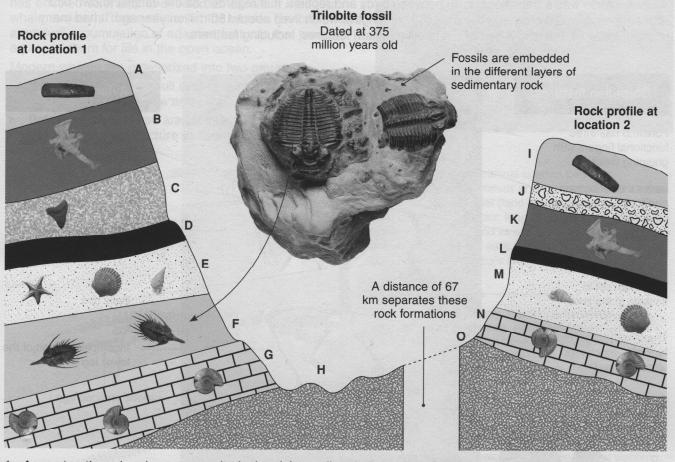
173 Interpreting the Fossil Record

Key Idea: Analyzing the fossils within rock strata allows scientists to order past events in a rock profile, from oldest to most recent.

The diagram below shows a hypothetical rock profile from two locations separated by a distance of 67 km. There are some differences between the rock layers at the two locations. Apart from layers D and L which are volcanic ash deposits, all other layers comprise sedimentary rock. Use the information on the diagram to answer the questions below.



 Assuming there has been no geological acti 	ivity to disturb the order of the rock layers, state in which rock
layer (A-O) you would find:	
flui arti or bertoette)	
(a) The youngest rocks at Location 1:	(c) The youngest rocks at Location 2:

(a) The youngest rocks at Location 1:	(c) The youngest rocks at Location 2:		
(b) The oldest rocks at Location 1:	(d) The oldest rocks at Location 2:		

2.	(a) State which layer at location	is of the same age as layer M at location 2:	d alsha liga dhu state. The noat

(b) Explain the reason for your answer in 2 (a):		modernesses Laborated		
elr original lunction).	~	teeth in their	nany terapatan	ecisions mem balana by th

- 3. (a) State which layers present at location 1 are missing at location 2:
 - (b) State which layers present at location 2 are missing at location 1:
- 4. The rocks in layer H and O are sedimentary rocks. Why are there no visible fossils in these layers?

NA