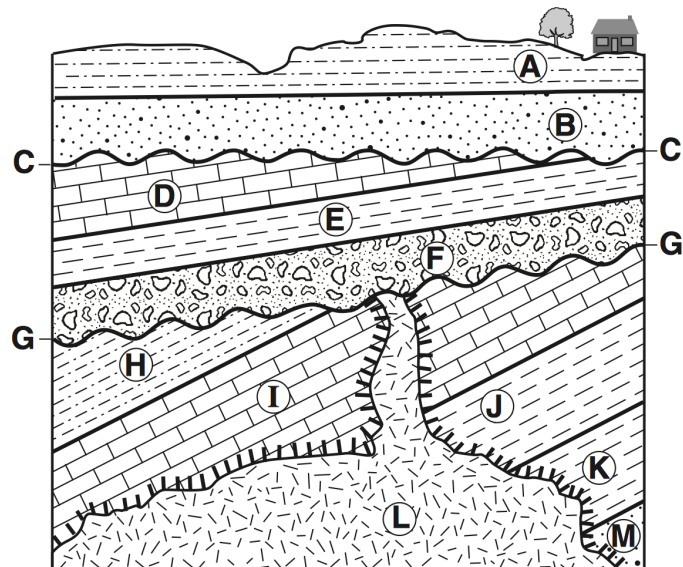


Name: _____

Date: _____ Period: _____

Worksheet: Relative Dating II

Base your answers to questions 1 through 2 on the cross section below and on your knowledge of Earth science. The cross section represents rock units that have not been overturned. Lines CC' and GG' represent unconformities.

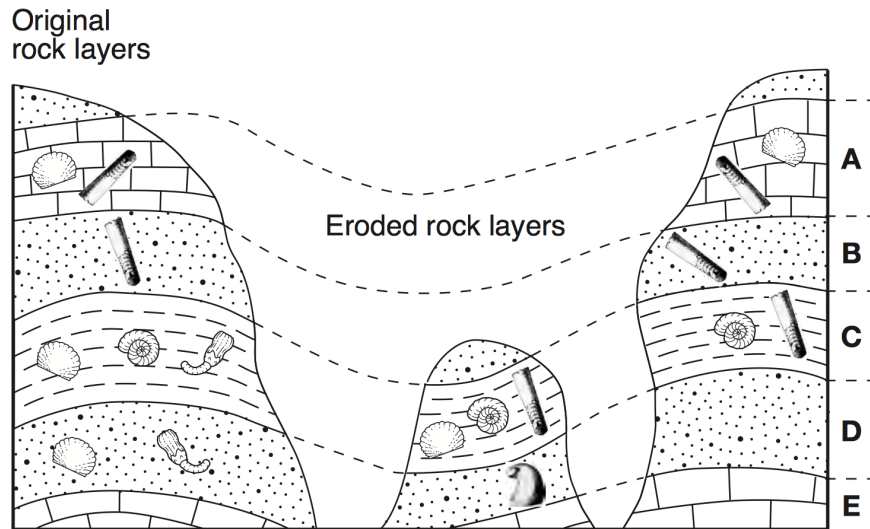


Key	
	Igneous intrusion
	Contact metamorphism

- Which rock unit was formed most recently?
 - A
 - F
 - L
 - M
- Why is there no contact metamorphism indicated between rock unit L and rock unit F?
 - Conglomerate does not metamorphose.
 - The intrusion was not hot enough to metamorphose rock unit F.
 - The contact metamorphism within rock unit F eroded away.
 - Rock unit F was deposited after the intrusion of rock unit L.
- Which principle states that younger rock layers are generally deposited on top of older rock layers?
 - superposition
 - evolution
 - original horizontality
 - inclusion

Worksheet: Relative Dating II

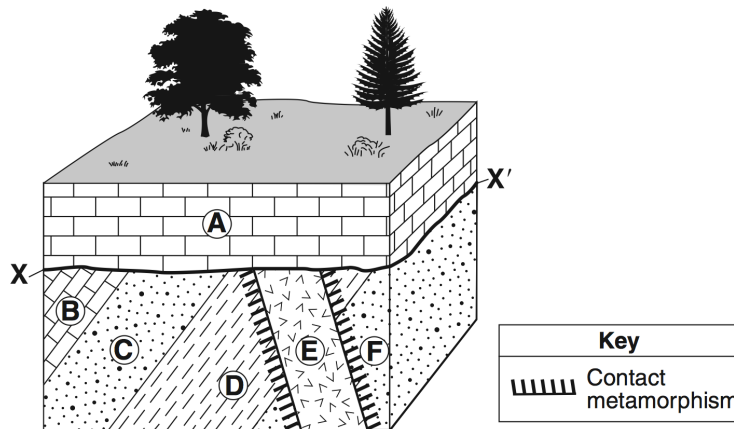
4. The diagram below represents three bedrock outcrops. The layers have not been overturned. Letters A through E identify different rock layers. Fossil found in the rock layers are shown.



Which fossil could be classified as an index fossil?

- a. b. c. d.

5. Base your answers to questions below on the following diagram.



Which rock layer is the youngest layer?

- a. A
b. F
c. C
d. E