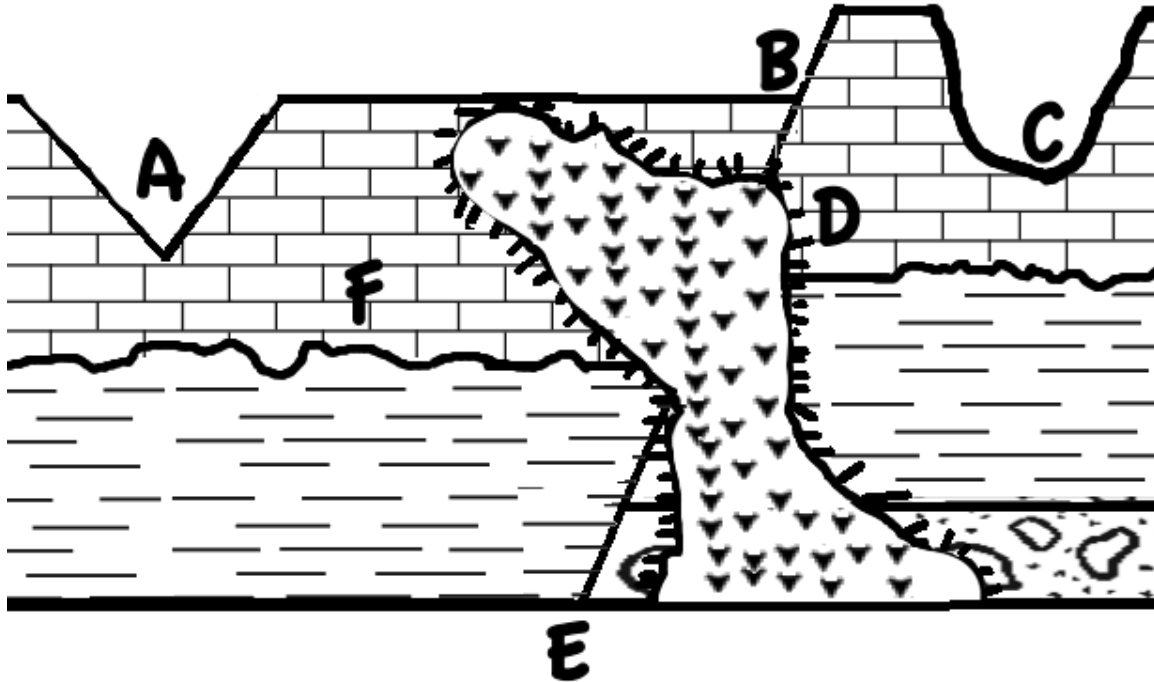


# Earth Science Geology Review

Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

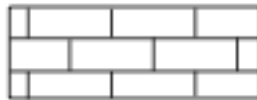


**Part One Directions:** Create a key to this diagram by filling in the name of the rock and draw and X inside of the igneous intrusion.

Rock Name: \_\_\_\_\_  
Symbol: \_\_\_\_\_



Rock Name: \_\_\_\_\_  
Symbol: \_\_\_\_\_



Rock Name: \_\_\_\_\_  
Symbol: \_\_\_\_\_



**Part Two Directions:** Answer the following questions based on your knowledge of earth science and the *Earth Science Reference Tables*.

1. What agent of erosion eroded the area around point A? Is it the same as point C? Which agent of erosion is more common today?

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2. What does the line between points B and E represent? Did it form before or after the igneous intrusion?

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3. State the name of the rock that is likely forming around point D.

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4. What caused the unconformity below point F?

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5. If the map scale is 1cm = 100m, how many meters are there between the lowest exposed surface elevation and the unconformity?

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6. Write the order of the formation of the rocks in the diagram from newest to oldest.

1 → \_\_\_\_\_ 2 → \_\_\_\_\_ 3 → \_\_\_\_\_

*Questions 7 through 10 refer to the fossil that a geologist within the shale layer.*



7. State the name of the fossil.

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8. How old is the fossil?

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9. Is this a good index fossil? If so, why?

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10. How old must the conglomerate be? How do you know?

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