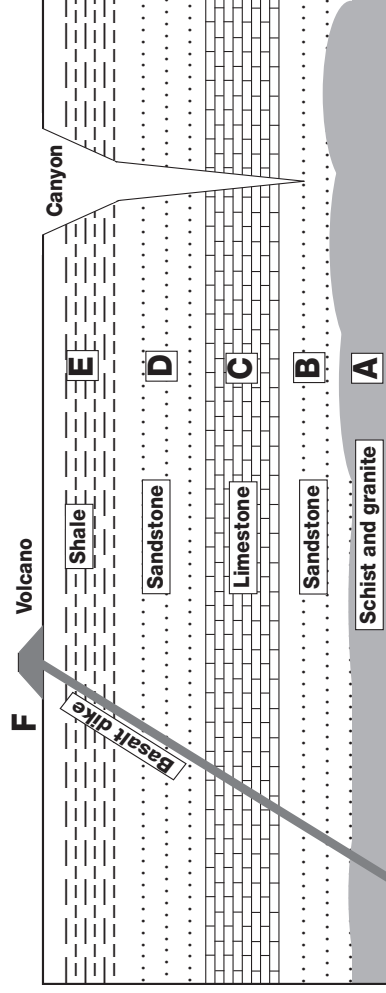


Rock Layer Age Puzzle

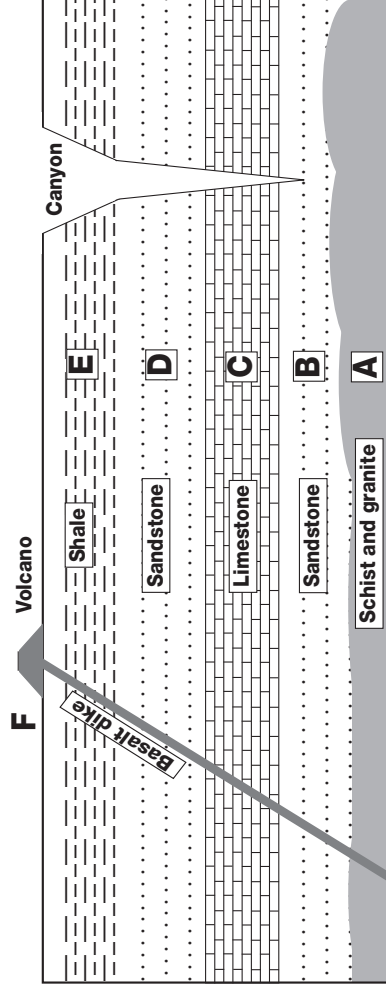
This illustration shows a rock column. Using potassium-argon dating, geologists have calculated an age of 200 million years for rock A, a granite. Rock F, the volcano, has been given an age of 225,000 years. Use the diagram and information to answer the questions below.



- Which rock (A, B, C, D, E, or F) is the oldest? How do you know?
- Which rock (A, B, C, D, E, or F) is the youngest? How do you know?
- Was the canyon formed before or after layers B, C, D, and E? How do you know?
- Was rock B formed before or after rock C? How do you know?
- When did rocks B, C, D, and E form? Give a range, between XXX and XXX. How do you know?
- Which rock layers are sedimentary rocks? Which are igneous rocks?

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ROCK LAYER AGE PUZZLE