

# Rock Cycle

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Read the scenarios below and determine which type of rock (igneous, sedimentary, or metamorphic) is most likely to form under the specified conditions.

- 1) Imagine a rock buried deep beneath the Earth's surface. Over millions of years, it experiences intense heat and pressure, causing its minerals to recrystallize and change. What type of rock is most likely to form?

a) igneous                                      b) sedimentary                                      c) metamorphic

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# Preview

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- 4) In  
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- 5) A rock is exposed to extreme heat and melts. As the molten rock cools and solidifies, it forms a new rock with a different texture. What type of rock is most likely to form?

a) igneous                                      b) sedimentary                                      c) metamorphic

- 6) In a marble quarry, large blocks of rock are extracted. These rocks were once limestone but have undergone a transformation due to extreme heat and pressure. What type of rock is most likely to form?

a) igneous                                      b) sedimentary                                      c) metamorphic

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