



## GeoScience Videos Quiz for Metamorphic Rocks

1. What rock forms when limestone undergoes metamorphism?  
a) Granite                      b) Quartzite                      c) Chalk                      d) Marble
2. What is the best estimate of the temperature range for the formation of metamorphic rocks?  
a) More than 200°C                      b) Less than 400°C                      c) Less than 1000°C  
d) Between 600°C-1200°C                      e) Between 200°C-800°C
3. Which metamorphic rock formed under the highest temperature and pressure conditions?  
a) Schist                      b) Slate                      c) Phyllite                      d) Gneiss
4. Which tectonic environment is likely to result in the high temperature, low pressure metamorphic conditions?  
a) Plate descending subduction zone  
b) Near rising magma in plate overlying subduction zone  
c) Thickening of crust due to continental collision
5. What name is given to metamorphism that occurs adjacent to a magma chamber?  
a) Contact metamorphism                      b) Regional metamorphism                      c) Geothermal metamorphism
6. Complete the sentence by writing the appropriate metamorphic rock name or feature:  
a) A low grade rock formed by the metamorphism of shale is \_\_\_\_\_.  
b) As temperature increases, the \_\_\_\_\_ of marble will also increase.  
c) Metamorphosed sandstone is called \_\_\_\_\_.  
d) The general name given to the planar (linear) fabric present in metamorphic rocks formed under high temperatures and pressures is a \_\_\_\_\_.