

# Sample #1



**This rock forms only from  
contact metamorphism  
(exposure to intense heat)**

# Sample #2



**This rock displays mineral alignment and is known for its small, shiny mica crystals**



# Sample #3



**This rock contains distorted pebbles.**



# Sample #4



**Sorry, no clues for this one.  
Just look at it!**

# Sample #5



**This rock used to be the  
sedimentary rock shale.**



# Sample #6



**This rock is composed entirely of the element Carbon.**



# Sample #7



**If this rock is exposed to a little more heat and pressure, it will become gneiss.**

# Sample #8



**This rock used to be limestone, before it was exposed to heat and pressure.**



# Sample #9



**This rock is composed entirely of quartz.**