Which choice below best fits in the blank? In __ cells, nothing separates the DNA from the ribosomes. Transcription is rapid, and translation is initiated even before mRNA transcripts are finished.

A  prokaryotic  
B  eukaryotic  
C  cancer

In prokaryotic cells there is no nucleus– the process of transcription is not physically separated from that of translation, as it is in eukaryotic cells. Answer A.