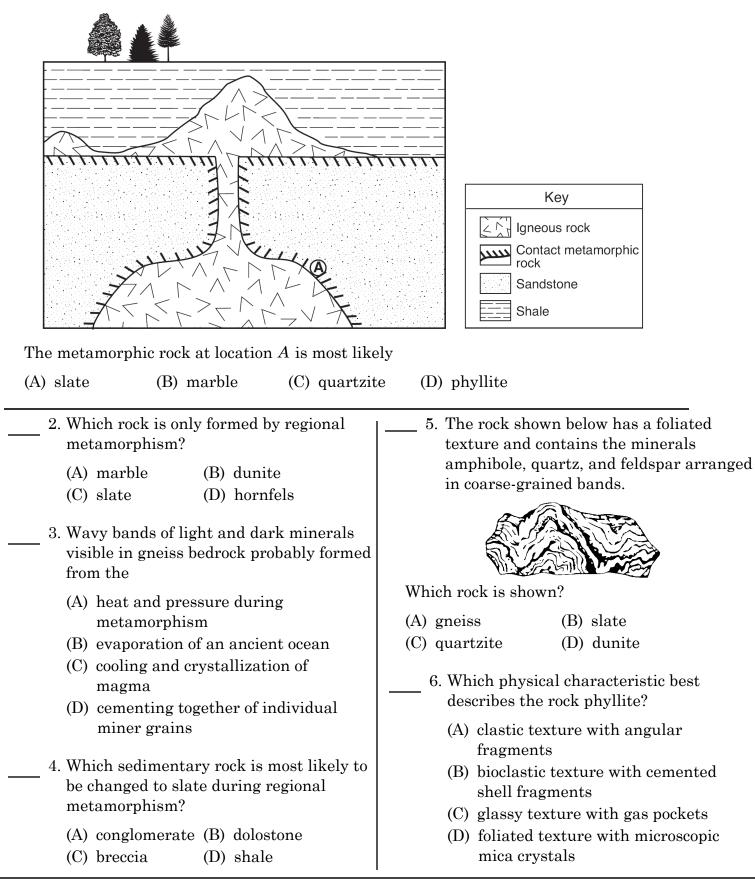
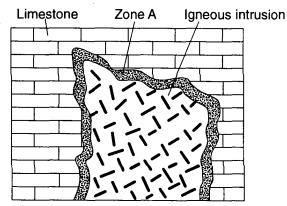
1. Base your answer to the following question on the geologic cross section below. Location A is within the metamorphic rock.



7. Which rock is foliated, shows mineral alignment but not banding, and contains medium-sized grains of quartz and pyroxene?

(A) phyllite	(B) schist
(C) gneiss	(D) quartzite

- 8. Which sequence of change in rock type occurs as shale is subjected to increasing heat and pressure?
 - $\begin{array}{ll} \text{(A)} \hspace{0.1 cm} \text{shale} \rightarrow \text{gneiss} \rightarrow \text{phyllite} \rightarrow \text{schist} \\ \rightarrow \text{slate} \end{array}$
 - (B) shale \rightarrow gneiss \rightarrow phyllite \rightarrow slate \rightarrow schist
 - (C) shale \rightarrow schist \rightarrow phyllite \rightarrow slate \rightarrow gneiss
 - (D) shale \rightarrow slate \rightarrow phyllite \rightarrow schist \rightarrow gneiss
 - 9. The geologic cross section below shows limestone that was intruded. Part of the limestone (zone A) was heated intensely but was not melted.



Which type of rock most likely formed in zone A?

- (A) slate
- (C) gneiss
- (B) obsidian(D) marble

10. The cartoon below presents a humorous look at history.



"You know, I like this hobby, too... But it seems like people from other communities have collected all the shiny mica rocks with foliated textures...There aren't any left for us!"

What kind of rocks does the complaining rock collector want?

- (A) inorganic sedimentary rocks
- (B) clastic sedimentary rocks
- (C) felsic volcanic rocks
- (D) regionally metamorphosed rocks