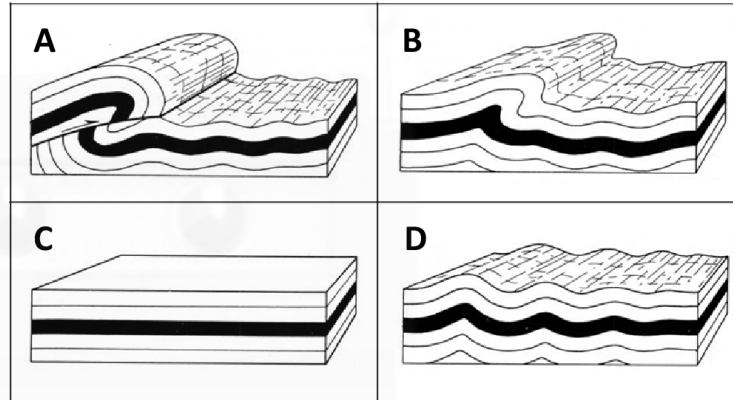


1. Folding



Amended from Texas State Library

Examine the diagrams above and answer each of the following questions.

- (i) Match each of the diagrams **A**, **B**, **C** and **D** with the type of fold that best matches it in the table below. One is completed for you.

Type of Fold	Letter
Asymmetrical fold	
Unfolded strata	C
Overthrust fold	
Symmetrical fold	

- (ii) Name **two** periods of Fold Mountain building that shaped the Irish landscape over the last 400 million years.

1. _____
2. _____

[8m]

2

C. The Tectonic Cycle

Examine how the tectonic cycle helps to explain the global distribution of **one** of the following:

- Volcanoes
- Earthquakes
- Fold Mountains.

[30m]

3

C. Tectonic Activity – Irish Landscape Development

Examine the influence of tectonic activity on the development of the Irish landscape.

[30m]

4

B. Landform Development

Explain how **one** of the following influences the development of landforms:

- Folding
- Faulting.

[30m]

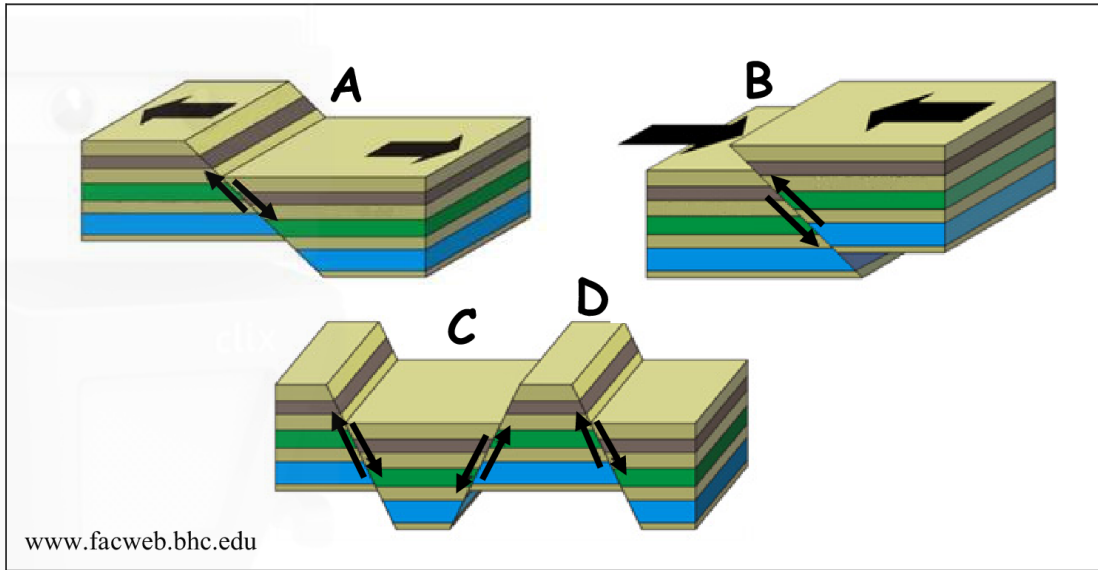
5

B. Plate Tectonics

Describe and explain destructive plate boundaries.

[30m]

A. Faulting and Landforms



Examine the diagrams above and answer the following questions.

- (i) Name the type of fault at **A** and the type of fault at **B**.
- (ii) Explain briefly what causes the type of faulting at **A** or at **B**.
- (iii) Name the landform at **C** and the landform at **D** that result from faulting.

[20m]

C. Folding

Explain, with reference to examples that you have studied, how folding impacts on landscape development.

[30m]

B. Folding

Explain how the study of plate tectonics has helped us to understand the global distribution of Fold Mountains.

[30m]

B. PLATE MARGINS

Explain, with reference to examples you have studied, how plate tectonics helps us understand the forces at work along crustal plate boundaries.

[30m]

“Plate boundaries are zones where crust is both created and destroyed”.
Examine the above statement, with reference to examples you have studied.

[30m]

