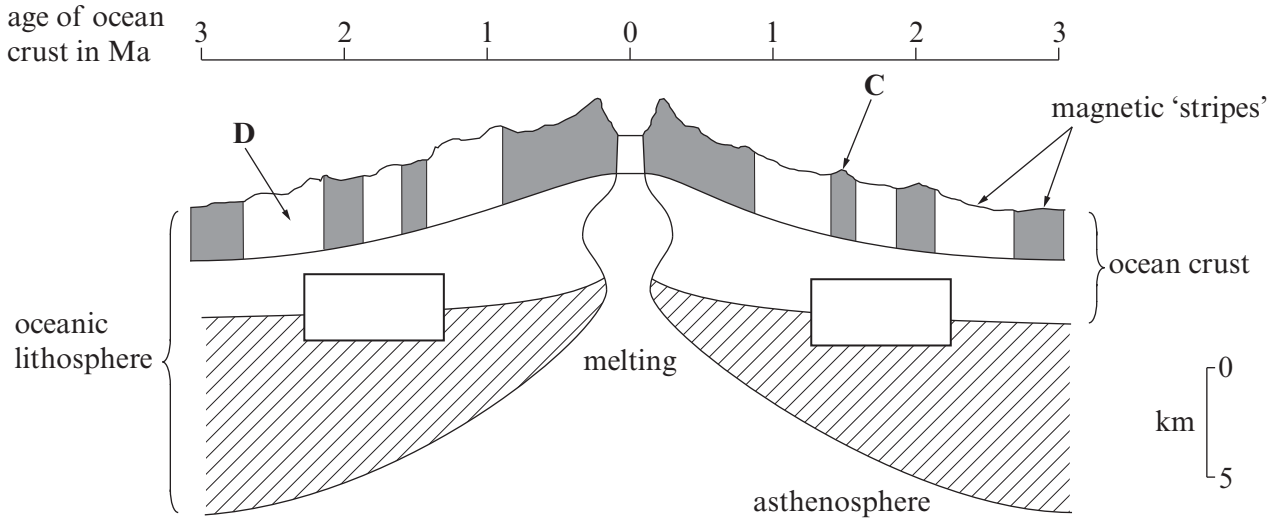


**Question 3**

(a) **Figure 8** is a cross-section across a mid-ocean ridge.



**Figure 8**

(i) State the age of the ocean crust at **C**.

[1]

million years

(ii) Name an igneous rock you would expect to find near the surface at **D**. Tick (✓) only **one** box.

[1]

turbidite

granite

gabbro

breccia

basalt

(iii) Draw arrows in the boxes on **Figure 8** to show the direction of plate movement each side of the mid-ocean ridge. [1]

(iv) Name the type of plate margin shown in **Figure 8**. Tick (✓) only **one** box. [1]

- convergent (destructive, oceanic-oceanic)
- conservative
- convergent (destructive, oceanic-continental)
- divergent (constructive)
- convergent (destructive, continental-continental)

(v) Which **two** of the following statements correctly describe the lithosphere? Tick (✓) only **two** boxes. [2]

- only crust
- crust and upper mantle
- cold, rigid solid
- weak, partially molten
- only mantle
- hot, weak solid

(vi) Describe **one** piece of evidence from **Figure 8** which can be used to support the theory of sea floor spreading. [3]

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