

Section 4 – answer questions 6-11

Figure 11 is a cross section through part of the Indian Ocean.

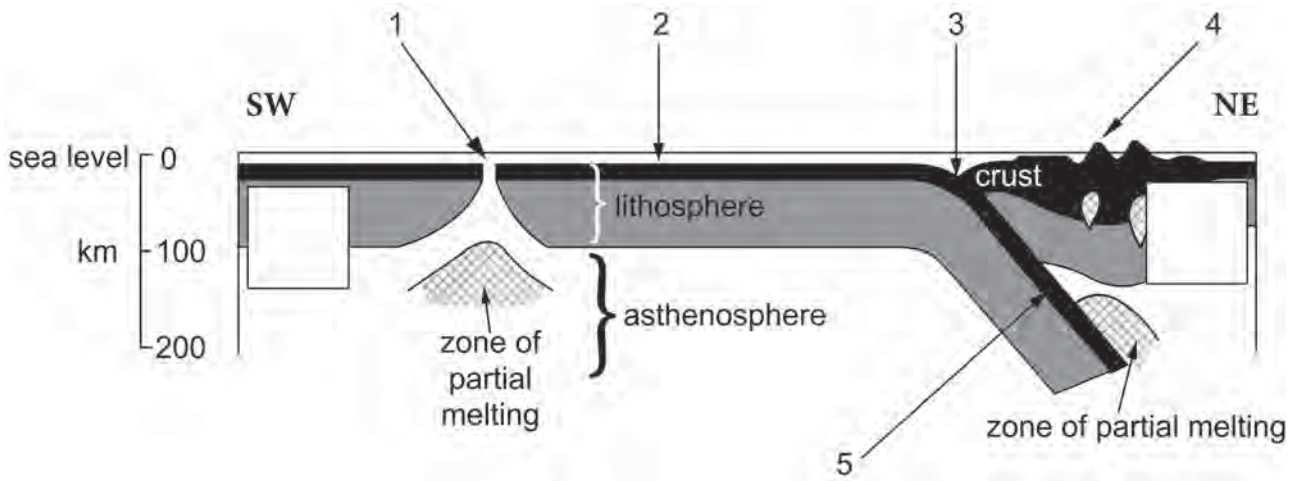


Figure 11

6. Complete Table 3 by matching the location numbers in Figure 11 with the correct descriptions. [5]

Description	Location number
volcanic island arc	
subduction zone/ Benioff zone	
constructive plate margin	
ocean trench	
abyssal plain	

Table 3

7. Selecting from the choice below, draw arrows in the empty boxes on Figure 11 to show the direction of plate movement at those locations. [1]



8. Turbidites are most likely to be deposited at which location on Figure 11? Tick (✓) only one box. [1]

1 2 3 4 5

9. The ocean crust is made up of different rock types and structures. Draw a line between the rock type or structure and the process that forms it. [4]

pillow lavas of basalt	slow crystallisation of magma
black shale	volcanic eruption on the sea floor
gabbro	intrusion along vertical cracks in the crust
dykes of medium-grained rock	deposition of organic mud

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

crust and upper mantle	<input type="checkbox"/>
convection currents present	<input type="checkbox"/>
only mantle rock	<input type="checkbox"/>
weak solid	<input type="checkbox"/>
rigid solid	<input type="checkbox"/>
partially molten	<input type="checkbox"/>