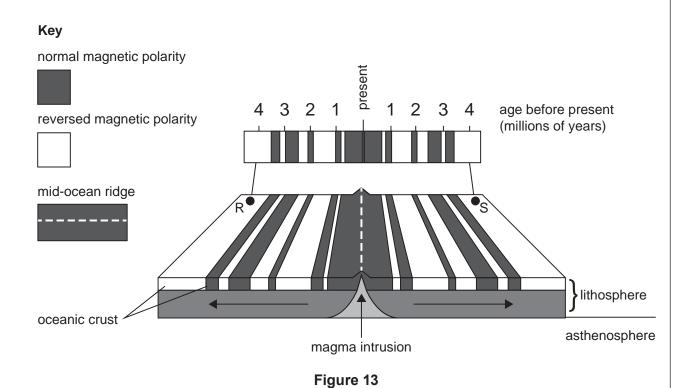
Section 5 – answer questions 1-10

Figure 13 shows the pattern and ages of magnetic stripes in the ocean crust at a mid-ocean ridge.



1.	Name the type of plate boundary shown in Figure 13 . T	Tick (✓) only one box.	[1]
	convergent (destructive) ocean-ocean		
	convergent (destructive) ocean-continental		
	divergent (constructive)		
	conservative		
	convergent (destructive) continental-continental		

2.	Locations R and S in Figure 13 spreading apart from each other?	are 800 km apart on the ocean floor. How fast are R and S Show your calculation below. Tick () only one box. [2]
	Calculation	
	10 cm per year	
	32 mm per year	
	100 cm per year	
	10 mm per year	
	20 cm per year	
3.	Which two of the following are as	ssociated with mid-ocean ridges? Tick (/) only two boxes. [2]
	basalt pillow lavas	
	thrust faults	
	andesitic lava	
	high heat flow	
	deep focus earthquakes	
	regional metamorphism	

the main feature	that is found along the centre of mid-ocean ridges. Lick (1) or	nly o
ocean trench		
island arc		
mountain chain		
rift valley		
oceanic plateau		
	ocean trench island arc mountain chain rift valley oceanic plateau	island arc mountain chain rift valley

Figure 14 is a map showing the plate boundaries around Japan and the epicentre of a magnitude 9.0 earthquake which generated a large tsunami in 2011.

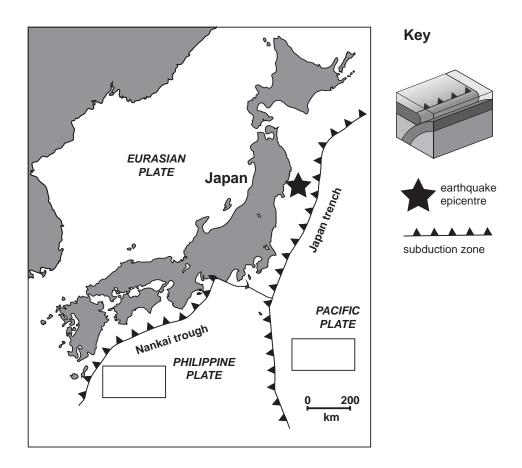


Figure 14

6. Selecting from the choice below, draw an arrow in each of the empty boxes in **Figure 14** to show the direction of plate movement at those locations. [1]

