

Name: _____

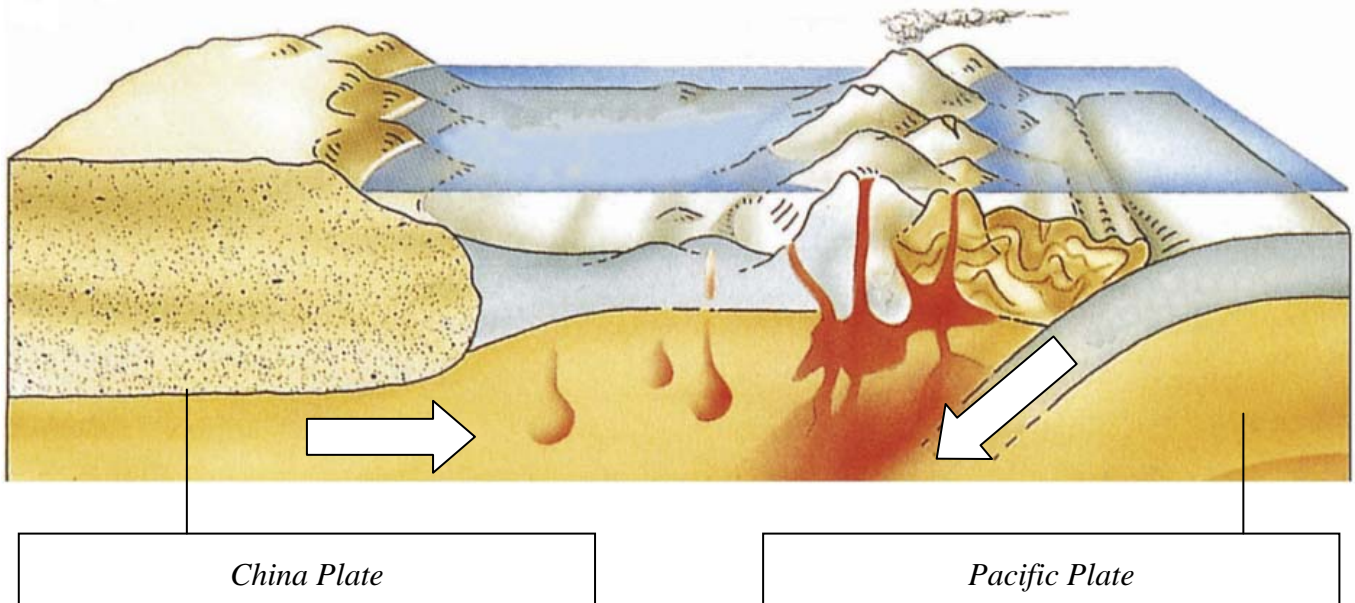
Klasse: _____

Dynamic Earth – Japan – Solution

1. Label the two plates which meet in the Japan area and draw arrows to show the direction of their movement.

West

East



2. Complete the text below by filling in the gaps with the following words:

(10,000 meters, China Plate, earthquakes, island arc, Japan Trench, Japan, magma, oceanic trench, Pacific, Pacific Plate, Pacific Ring of Fire, ten centimeters, subduction zone, volcanoes, volcanoes)

Off the eastern coast of Japan, the Pacific Plate slides underneath the China Plate at a rate of ten centimeters per year.

The plate boundary is marked by the Japan Trench, an oceanic trench about 10,000 meters deep. Magma rises from the depth and surfaces through explosive volcanoes.

Paralleling the subduction zone, the Japanese island arc has thus formed. It is part of the Pacific Ring of Fire – an area of active volcanoes and frequent earthquakes.