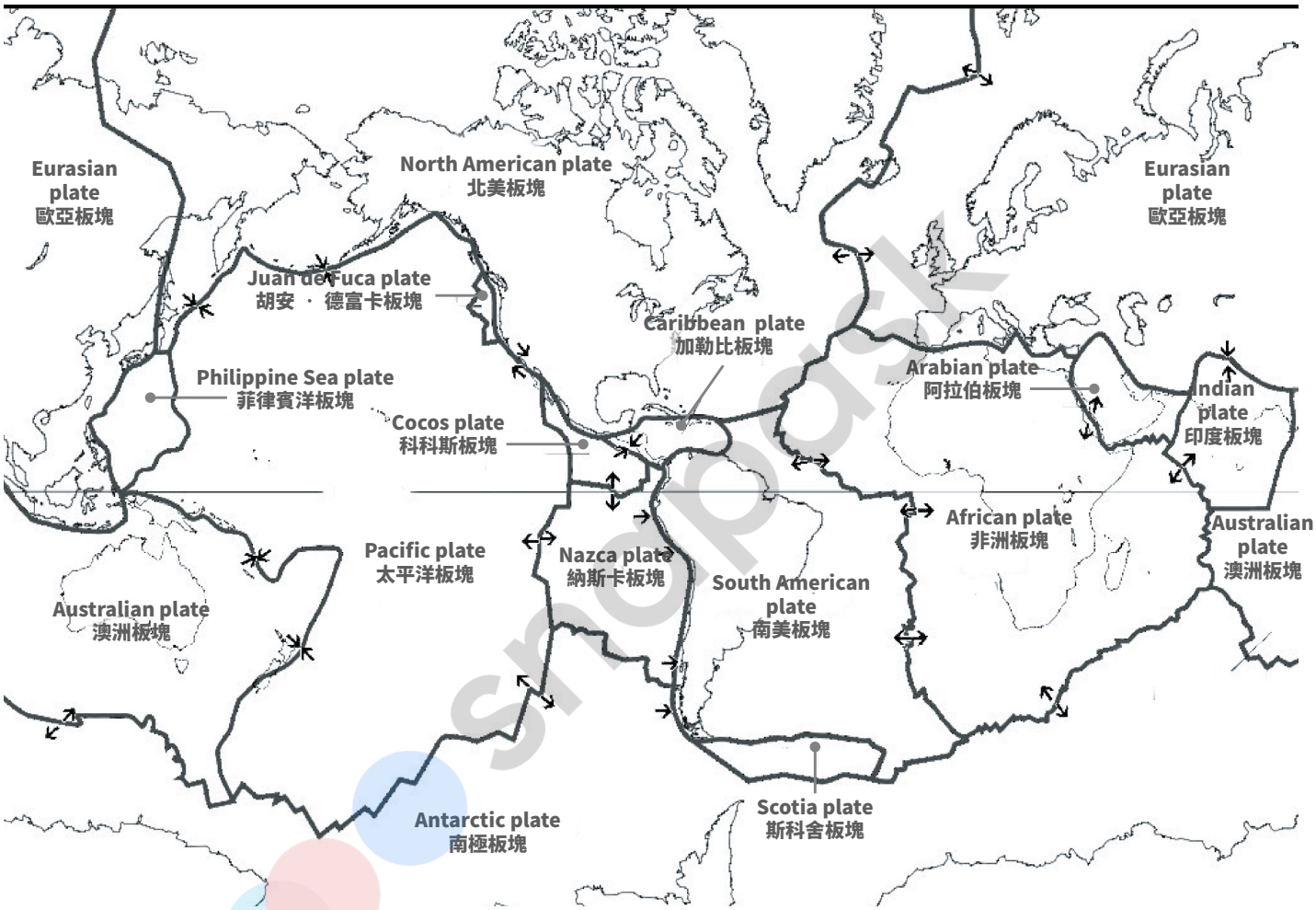
Identification of plates and plate boundaries
識別板塊和板塊邊界

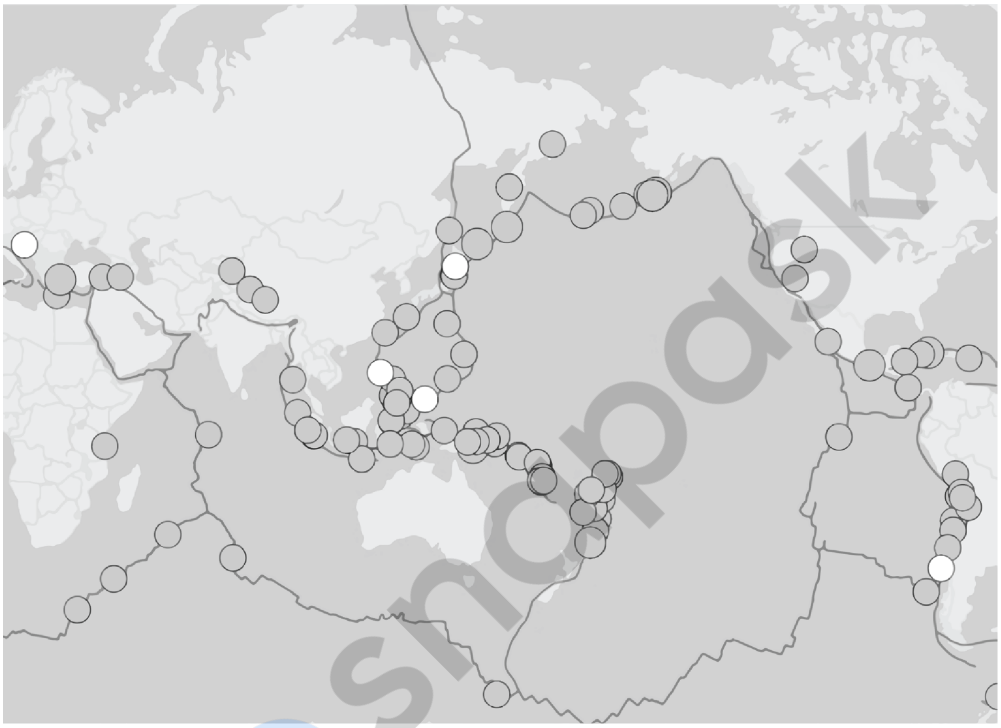
World map with plate boundaries



Describe spatial distribution/ location
描述地形空間分佈 / 位置

Refer to figure 1, describe the spatial distribution of high magnitude earthquakes in the pacific region in 2020. (With reference to DBQ 2017)
參考圖 1，描述 2020 年太平洋地區大地震的空間分佈。（參考 DBQ 2017）

Figure 1 圖 1



Your answer 你的答案：

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Is it near the coastal area/ along the coast/ in the inland area?
它在沿海地區還是內陸地區嗎？

Is it mainly distributed along a constructive/ destructive/ conservative plate boundary?
它主要沿著建設性 / 破壞性 / 穩定性板塊邊界嗎？

Which type of plates is the boundary composed of? (continental/ oceanic)
邊界由哪種板塊組成？（大陸 / 海洋）

Is it mainly in the subduction zone? 它主要在俯衝帶嗎？

Is it in a linear pattern? 它是帶狀的嗎？

Is it mainly located on the circum pacific belt/ ring of fire?
它主要位於環太平洋帶 / 火環上嗎？

Is there an exceptional case? I.e. Are there a few of them far away from the plate boundary/ on the hot spot?
是否有例外情況？ 即 它們中的一些是否遠離板邊界 / 在熱點附近？

Tectonic theory
板塊構造理論

Faulting 斷層作用

受張力、擠壓力和剪切力的影響，岩石層將沿斷層出現水平或垂直移動，形成斷層

- Normal fault 正斷層：caused by tensional force 由張力作用造成

- Reverse fault 逆斷層：caused by compression force 由擠壓力作用造成

- Strike-slip fault 捩斷層：caused by shearing force 由剪切力造成
  → Landforms created by faults: block mountains or rift valleys
  斷層作用造成的地貌：斷塊山或裂谷

Destructive plate boundary
破壞性板塊

Formation of ocean trench and volcanic island arc in destructive plate boundary
邊界內海溝和火山島弧的形成