

Indonesia's 'Ring of Fire'

Prelims: Current events of national and international importance | Geography

Why in News?

Recent eruptions of Mount Anak Krakatau in Indonesia have caused significant disruptions to air travel.

Anak Krakatau

- **Anak Krakatau** means “**Child of Krakatoa.**”
- Anak Krakatau emerged in the **Sunda Strait, located between the islands of Java and Sumatra.**
- The volcano is part of the same volcanic system as the historic **Krakatoa (Krakatau)** volcano.
- Ongoing volcanic activity at Anak Krakatau demonstrates the persistent volcanism of the **Sunda Arc.**

INDONESIA

Land of Volcanoes

Key Facts

	Total volcanoes	~500
	Active volcanoes	127
	Closely monitored active volcanoes	69
	Observation points	74
	Global position	World's most active-volcano-rich country
	Location	Pacific Ring of Fire
	Geography	Archipelago of 17,000+ islands



- Indonesia contains over **100 active volcanoes**, representing the highest concentration of active volcanoes in any country worldwide.
- Situated along the **Pacific Ring of Fire**, Indonesia is highly susceptible to frequent **volcanic eruptions and seismic activity**.

*"According to the Smithsonian Institution's Global Volcanism Program, **Indonesia, United States, and Japan** rank among the countries with the largest numbers of active volcanoes."*

Pacific Ring of Fire

- The **Ring of Fire** is a horseshoe-shaped region that encircles a significant portion of the **Pacific Ocean**.
- This region is characterized by the following features:
 - Frequent seismic activity
 - A high concentration of **active volcanoes**
 - Intense tectonic processes
- It primarily associated with tectonic plate boundaries, especially subduction zones.
- Indonesia is located at the intersection of several major tectonic plates, specifically the

Indo-Australian, Eurasian (Sunda), and Pacific plates.

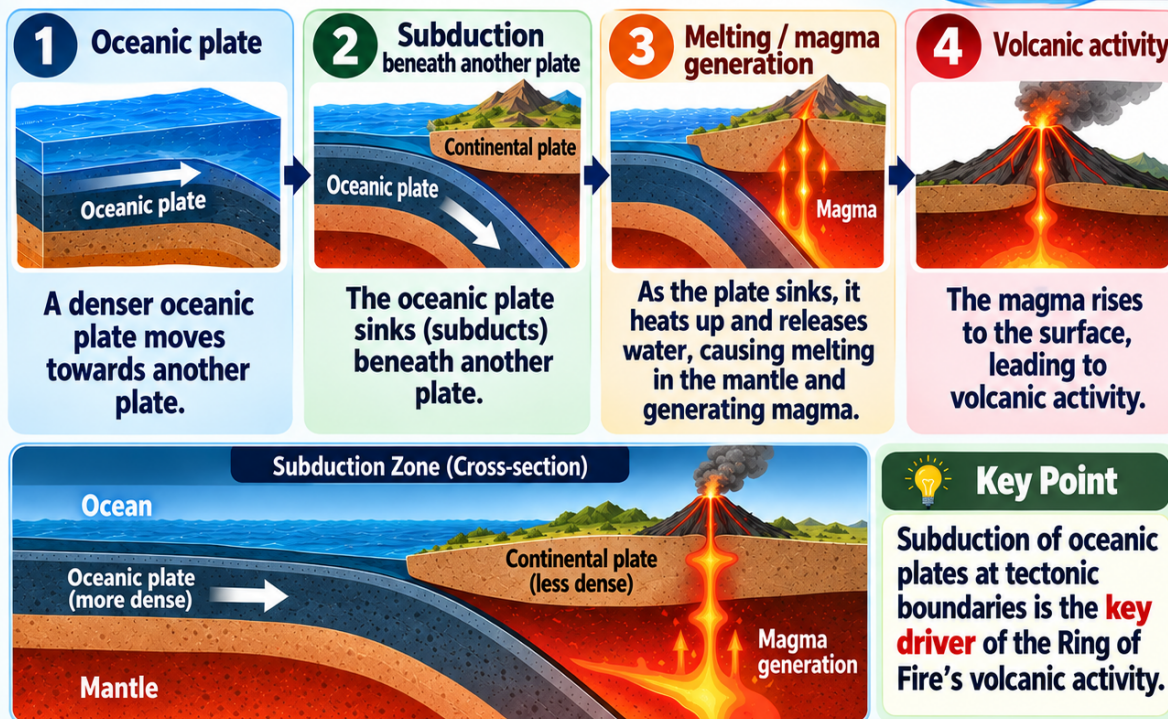
- This tectonic setting creates active **subduction zones**, leading to geological hazards such as **earthquakes**, **volcanic eruptions**, and a **higher risk of tsunamis**.



SHANKAR
IAS PARLIAMENT

How the **Ring of Fire** Works?

The Ring of Fire is primarily associated with tectonic plate boundaries, especially **subduction zones**.



Reference

[Economic Times | Indonesia's 'Ring of Fire'](#)



SHANKAR
IAS PARLIAMENT
Information is Empowering