

PRABHA IAS IPS COACHING ACADEMY



Recently, small earthquakes shook parts of the Aegean Sea near Turkey and Greece and floating lights appear in the sky after an earthquake near Turkey which is called earthquake lights by the scientists.

Earthquake Lights

Earthquake lights are flashes, streaks, balls, or tall pillars of light that sometimes appear in the sky right before, during, or just after an earthquake.

Formation

Earthquakes happen when huge tectonic plates push and grind against each other.

This stress squeezes rocks in the crust, especially those containing quartz or certain minerals.

The pressure creates electric charges inside the rocks.

These charges then flow upward through cracks and faults until they reach the surface. Once there, they bump into air molecules and ionise them, stripping electrons and creating glowing plasma.

The result is visible flashes or steady beams with no heat or fire.

Scientists have noted that lights appear more often in places with straight, vertical faults, like rift zones, which act like easy pathways for electricity.