

Thunderstorm recipe

Step 1 – one large area of thunderstorms.

1	The sun heats the land which heats the air above it.
2	The hot air rises
3	It heats the sea which makes water evaporate.
4	The air fills with water vapour
5	The hot, moist air rises.
6	As the air rises it cools.
7	The water vapour condenses into water droplets that form clouds.
8	When water vapour condenses it releases the heat that made the water evaporate in the first place. This makes the air warmer again.
9	The air warmed by condensing water vapour rises even further.
10	Strong vertical winds form
11	The water droplets that are blown really high freeze into ice crystals
12	The ice crystals bump together and create an electrical charge
13	Ice crystals at the top of the cloud are positive, and at the bottom are negative. Sometimes the ground gets a positive charge, too.
14	Lightning happens between the positive and negative charges

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