

Natural Phenomena in De Rerum Natura vs Modern Science

Lucretius

Whirlwinds get snagged inside clouds, shaving away cloud atoms. When this touches down, a cyclone occurs. (DRN 6.424-51)

Clouds form when rough atoms in the sky join and hold together, growing until it becomes a storm. (DRN 6.452-95)

Fire atoms and wind hollow out a cloud and build up momentum until they tear free from the cloud, causing lightning (DRN 6.174-204)

Wind packs the water atoms. Then when the sun dissipates the wind, raindrops fall. (DRN 6.496-535)

Earthquakes are caused by either underground landslides or wind. (DRN 536-608)

Thunderstorms can rotate around an area of low atmospheric pressure (tropical depression) over warm water. With a slight wind, a hurricane can form.

Clouds form when water vapor condenses or freezes.

Lightning forms when electrons build up at the bottom of a cloud and break free when a large positive charge builds up near the ground

Modern Science

Water droplets absorb each other and once they grow big enough (relative humidity = 100%) then it rains.

The sun heats up the air over land quicker than over water. The cool air sinks while warm air rises, making wind.

When the stress between tectonic plates overcomes the friction, an earthquake occurs.

Wind Current