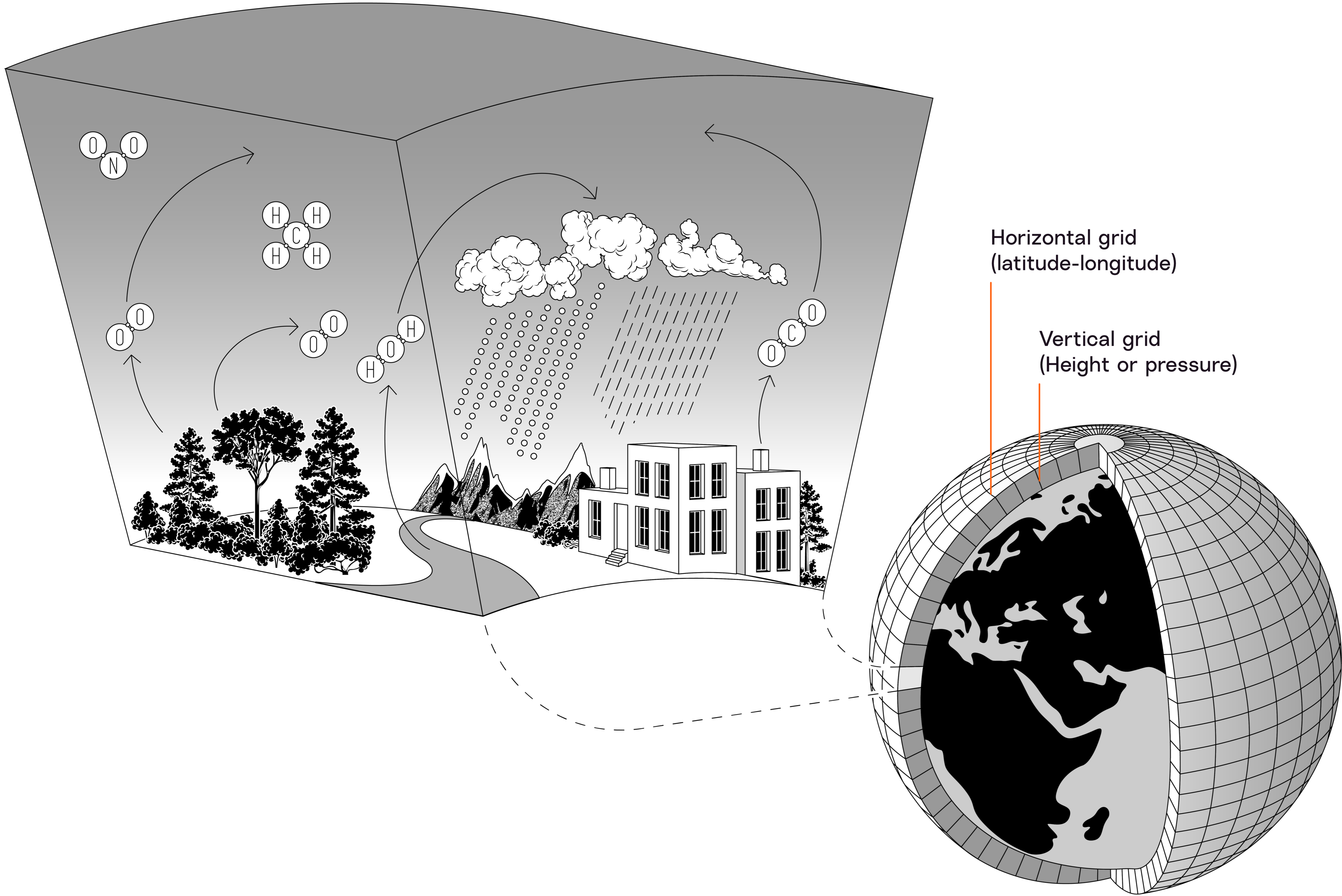


Physical processes in a model



To build a model of Earth’s near-surface atmosphere, scientists divide that atmosphere into boxes called grid cells. The size of a model’s grid cells determines how detailed the results of the model will be. Most GCMs have a grid cell size of approximately 250 km on a side. RCM grid cells commonly range from 10 to 50 km to a side.

Credit: Berke Yazicioglu