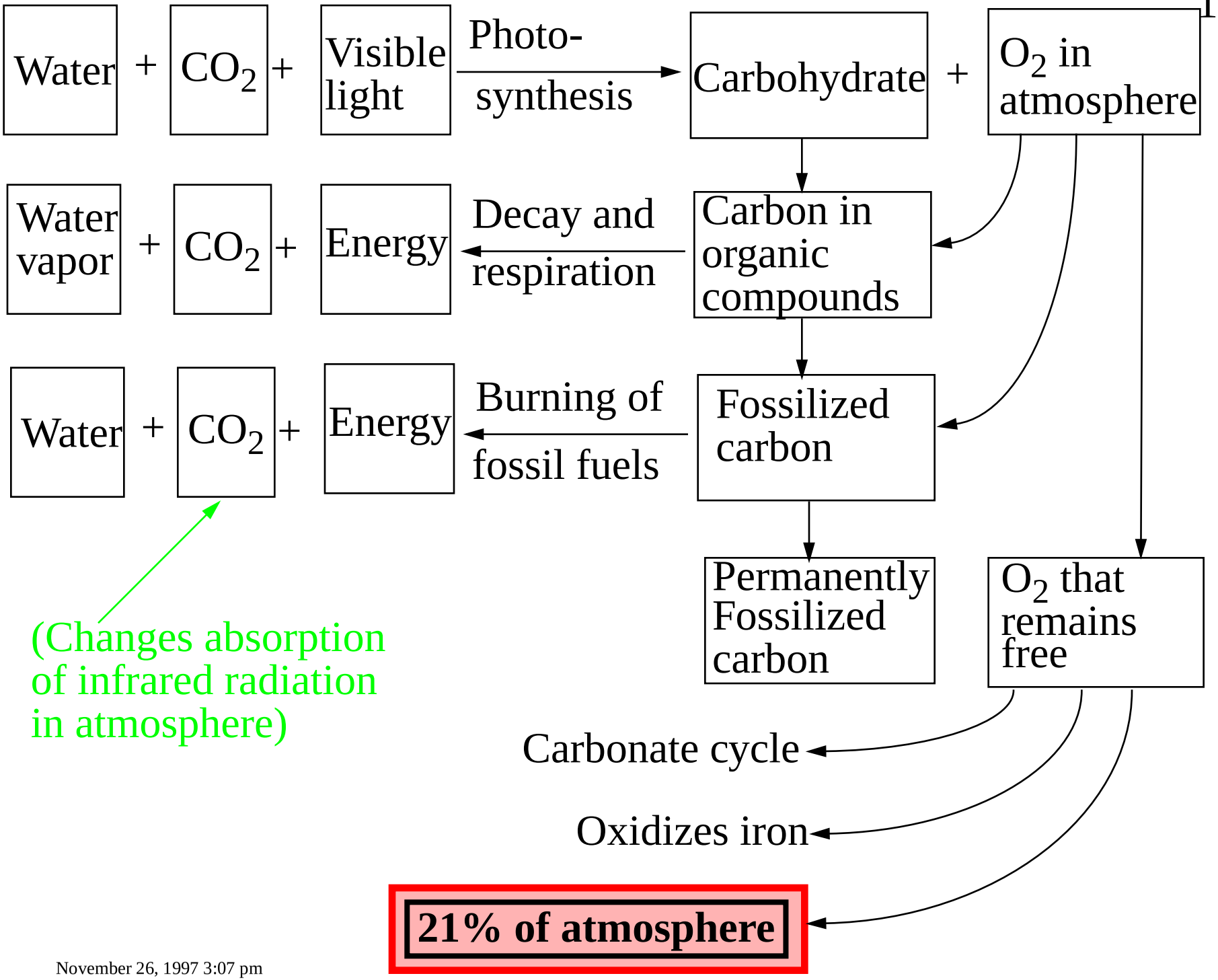
Water
+
CO_2
+
Visible light
Photo-synthesis
Carbohydrate
+
O_2 in atmosphere
Water vapor
+
CO_2
+
Energy
Decay and respiration
Carbon in organic compounds
Water
+
CO_2
+
Energy
Burning of fossil fuels
Fossilized carbon
(Changes absorption of infrared radiation in atmosphere)
Permanently Fossilized carbon
O_2 that remains free
Carbonate cycle
Oxidizes iron
21% of atmosphere