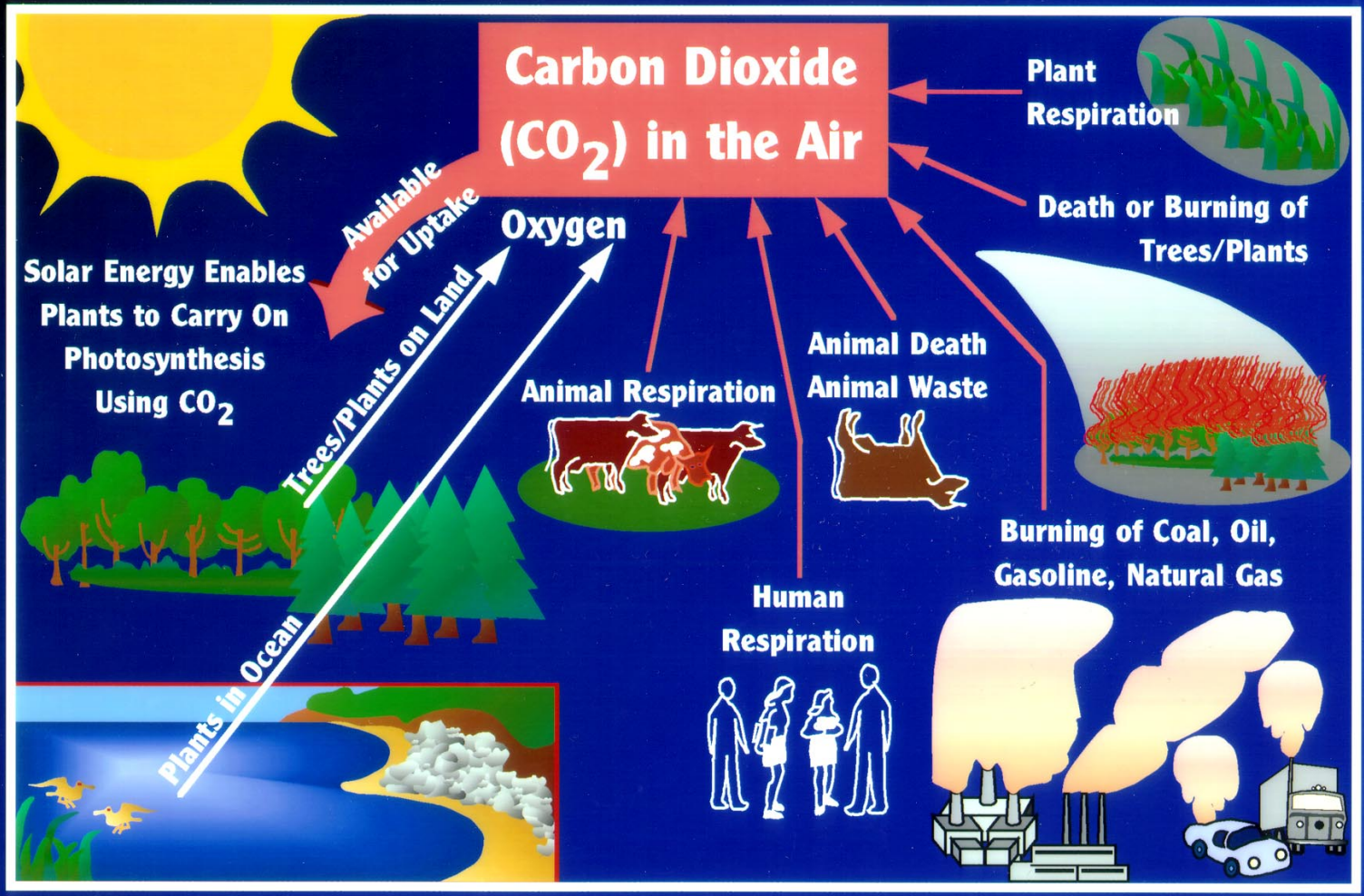The Carbon Cycle