Carbon sequestration in soilsWilliam H Schlisinger *Science;* Jun 25, 1999; 284, 5423; Research Library Core pg. 2095 SCIENCE'S COMPASS $Ca^{2+} + 2HCO_3^- \rightarrow CaCO_3 \downarrow + H_2O + CO_2 \uparrow$ $3CH_4 + 6H_2O \rightarrow 3CO_2 + 12H_2$ $4N_2 + 12H_2 \rightarrow 8NH_3$