Salt concentration (g/l) 100 200 300 Oxygenic photosynthesis Anoxygenic photosynthesis Aerobic respiration Denitrification Arsenate reduction Fermentation Methanogenesis from methylated amines Acetate formation from H<sub>2</sub> + CO<sub>2</sub> Anaerobic respiration - manganese reduction Chemolithotrophic oxidation of sulfur compounds Dissimilatory sulfate reduction - incomplete oxidizers Selenate reduction Dissimilatory sulfate reduction - complete propionate/lactate oxidation Autotrophic arsenite oxidation Aerobic methane oxidation Hydrogen-consuming obligate syntrophs Dissimilatory sulfate reduction - acetate oxidizers Methanogenesis from H<sub>2</sub> + CO<sub>2</sub> Autotrophic ammonia oxidation Autotrophic nitrite oxidation Methanogenesis from acetate Anaerobic methane oxidation