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# Kinetics Oxidation Reduction Reactions Uranium Neptunium Plutonium

**methane oxidation reactions - johnson group** - I19-1 che 400 - reactive process engineering che  
400-reactive process engineering methane oxidation reactions  $CH_4 + 2 O_2 \rightarrow CO_2 + 2 H_2O$   $CH_4 + 0.5 O_2 \rightarrow$   
 $CO + 2 H_2$   $CO + 0.5 O_2 \rightarrow CO_2$   $H_2 + 0.5 O_2 \rightarrow H_2O$  **electrode kinetics - school of engineering** - 37  
sluggish cathode kinetics •  $k^\circ$  for oxygen reduction