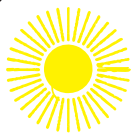


Utilities



Photons



Heat

Electricity



Water



Irrigation

Direct N_2 Reduction

Photocatalysis (N_2 to NH_3)

Aqua Ammonia
(Dilute Fertilizer)

PEC (N_2 to NH_3)

Ammonia (Solid)

Electrocatalytic (N_2 to NH_3)

Ammonia (Solid)

H_2O Reduction

Photocatalysis (H_2O to H_2)

O_2, H_2

PEC (H_2O to H_2)

Electrocatalytic (H_2O to H_2)

Thermo
chemical

Ammonia
(Solid)

CO_2

O_2

