



KHAN GLOBAL STUDIES

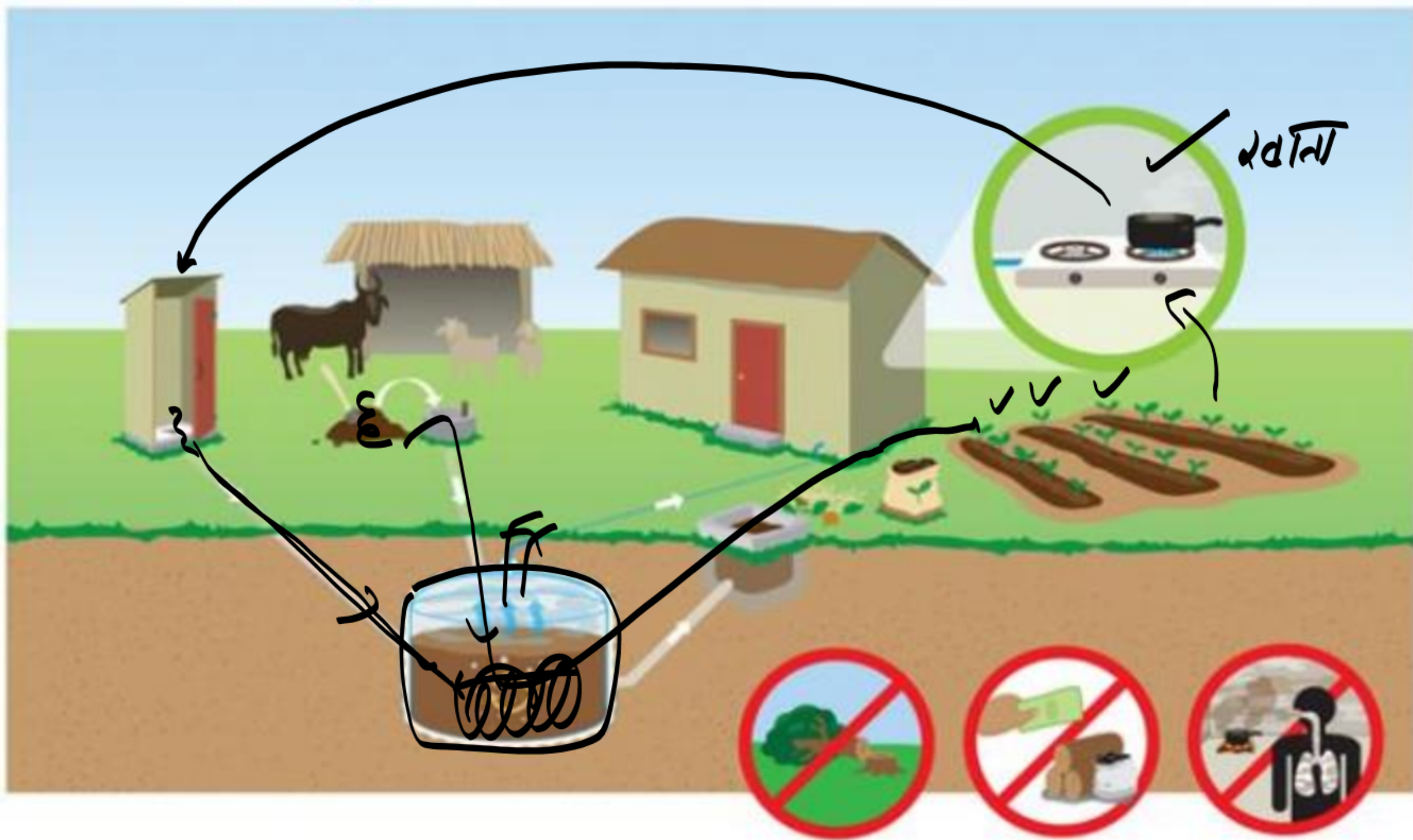
The Most Trusted Learning Platform

LIVE CLASSES

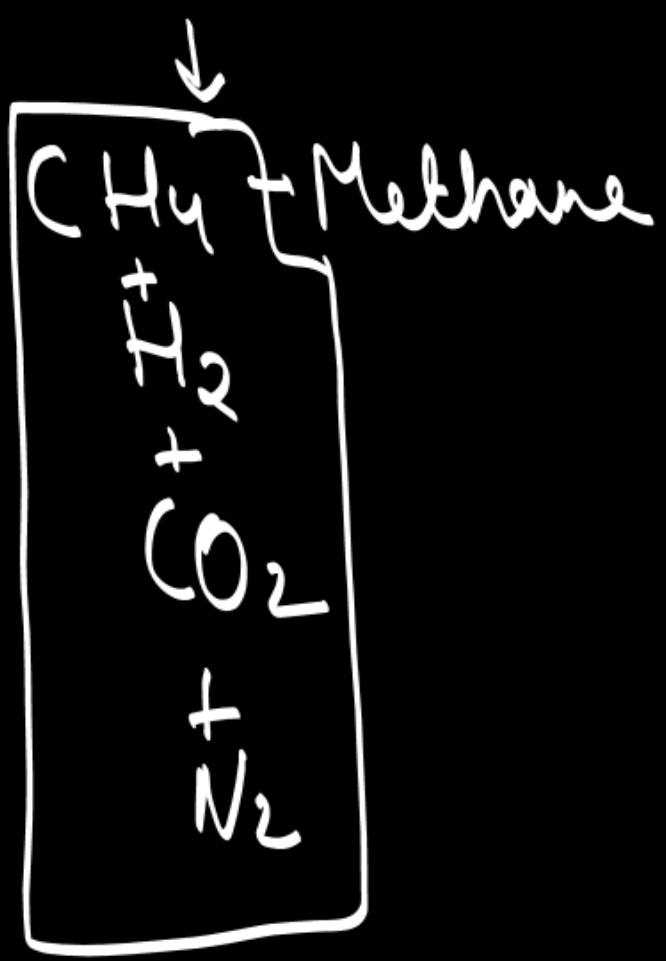


BY - AVINASH ROY SIR

The Bio-Gas Digester:



जिन्हा गॅस
कोबर गॅस.





↳ CNG

↳ Compressed Natural gas.
(संपीड़ित प्राकृतिक गैस)

↳ CNG



L CNG - Train

↓
Haryana

↓
शिवनर-रोहता (शिवनर)

Rohtak - Rewari

कोयला गैस (coal gas)

destructive distillation
↓
विनाशकारी आसवन

कोयला
coal powder

Heat

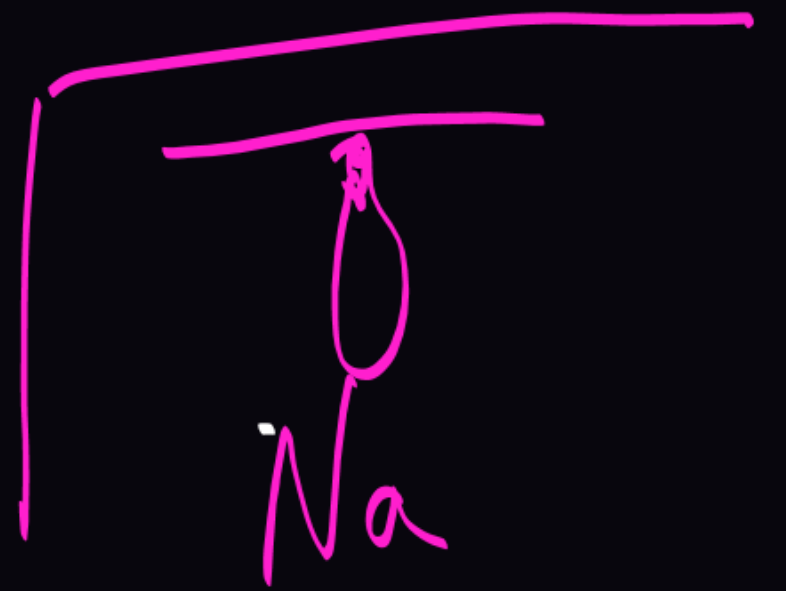


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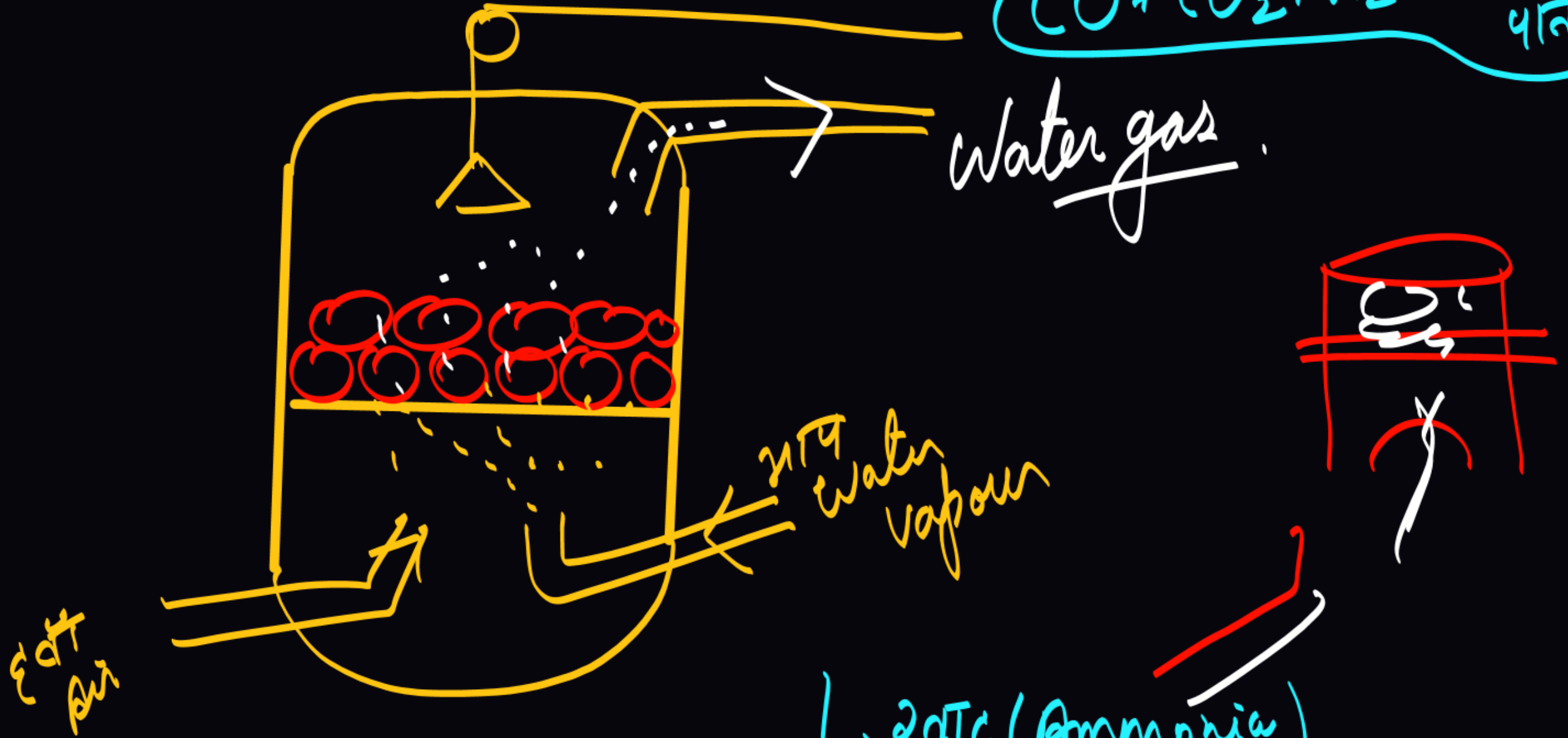
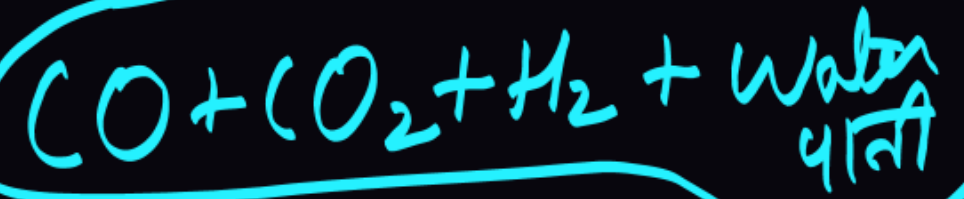
TAR
(C₁₂)

coal gas

- H₂ (55%)
- CH₄ (30%)
- CO
- + N₂ (Impurity)



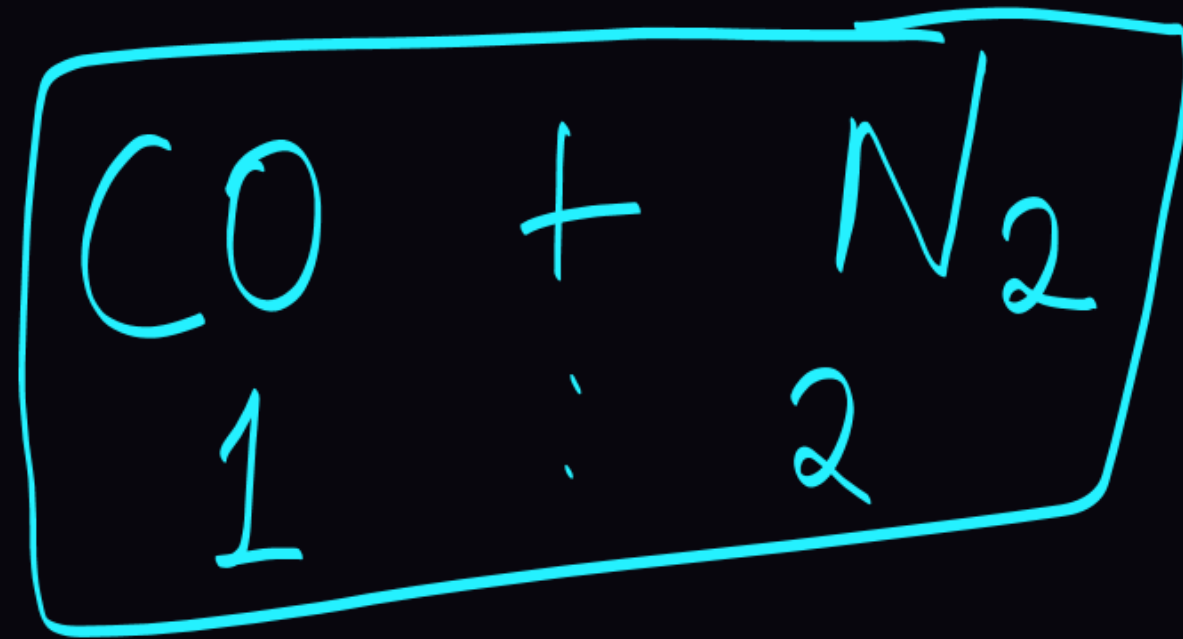
Water gas (जल गैस)



एक
द्वारा

→ $2NH_3$ (Ammonia)
Industries

Producer Gas (उत्पादक गैस)



L glass

CO₂ - Carbon dioxide
CO - Monoxide.

कैलोरी मान (Calorific Value)



1 gm or 1 kg ईंधन का पूरी तरह

जलाने पर उत्पन्न

उष्मा - कैलोरी मान



1 kg

Petrol



1 kg

Wood



1 kg

CNG

Unit

105/10g

102/g

↳ Amount of heat produce by Burning 1g or 1kg fuel completely.

* 1000 gm = 1 kg

Wood = 17 kJ/g ✓

Coal = 30 kJ/g

LPG = 50 kJ/g ✓

CNG = 55 kJ/g

Petrol = 50 kJ/g

Natural gas (11 kcal) = 48 kJ/g.

ਰਿਸ਼ਾ ਏਜਿਟ (Radioactivity)

(E-20)

Petrol 100%

90% + 20%