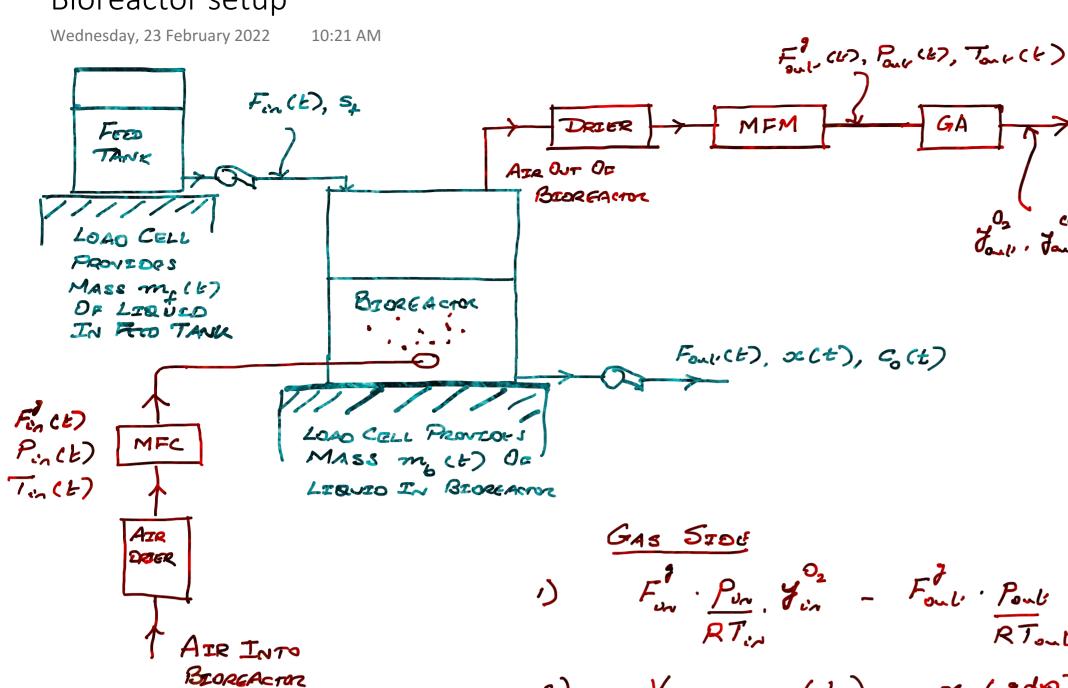
Bioreactor setup



GAS STEE

1)
$$F_{uv} \cdot \frac{P_{uv}}{P_{uv}} \cdot y_{uv}^{O_2} - F_{out} \cdot \frac{P_{out}}{RT_{out}} \cdot y_{out}^{O_2} \cdot \frac{mols O_2}{R}$$

2) $V_{uv} \cdot (L) \cdot \infty (2do) \cdot F(4)$

2)
$$V_{reador}$$
 (L), oc (2do), $F_{in}(\frac{L}{R})$.

4)
$$Y_{\infty} = \frac{\pi_{0_3}}{\mu} \left(\frac{m ds}{R \cdot g d\omega} \right)$$

$$= D \triangleq \frac{F_{in}}{V_{\text{reachin}}}$$

$$0 = \frac{dsl}{dl} = \mu \times - D \times \frac{D}{2d\omega}$$

$$= \frac{dsl}{R \cdot g d\omega} = \frac{dsl}{R \cdot g d\omega}$$

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$$= \frac{2}{2}(s_{1}-s)/3c$$

$$= \frac{5}{4}-s$$

$$0 = \frac{ds}{db} = D(s_{4} - s) - r_{8} \cdot sc$$

$$y$$

$$r_{8} = D(s_{4} - s)$$

$$sc$$