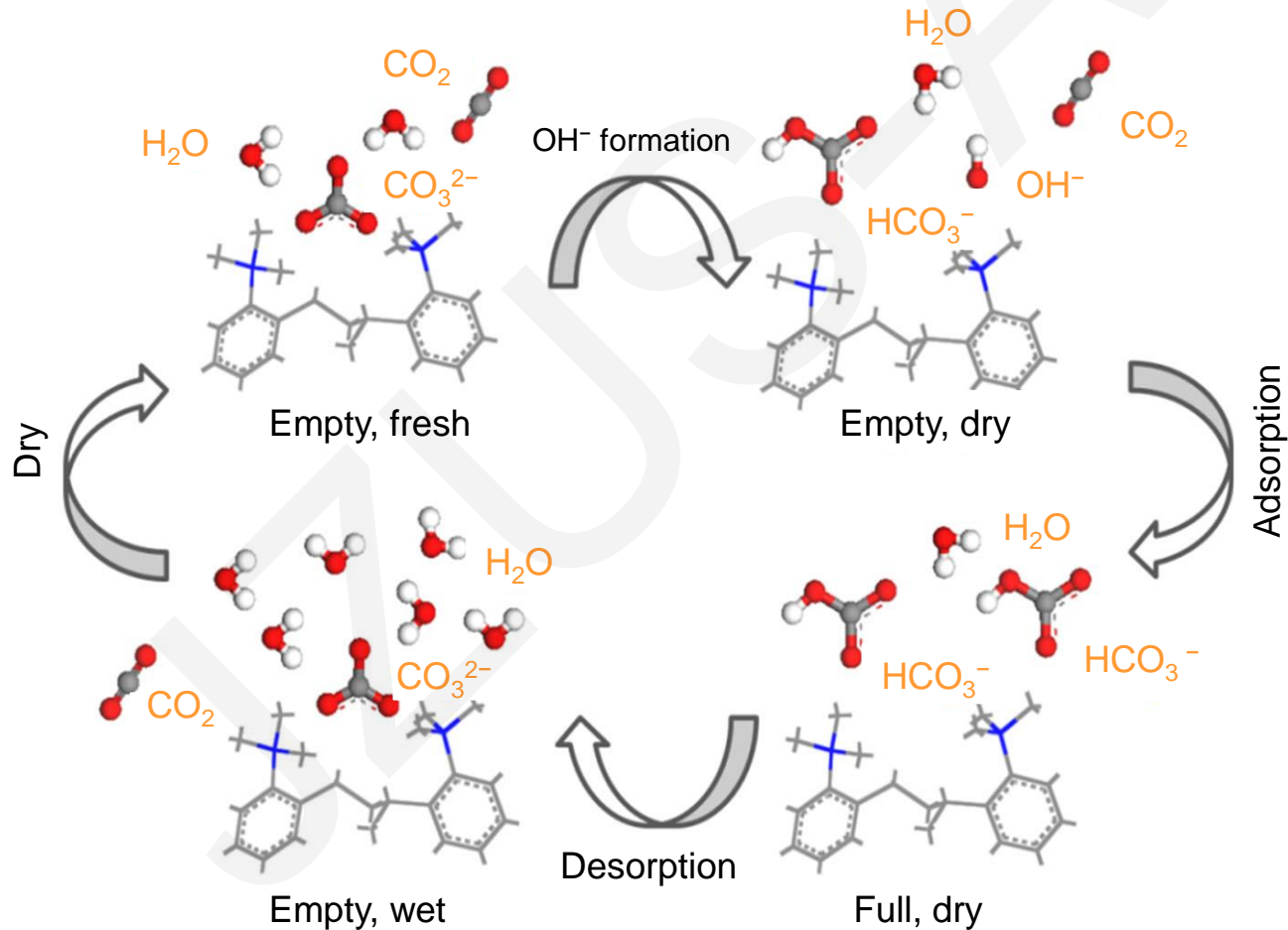


# **A moisture-driven direct air capture device for low-cost gas fertilizer**

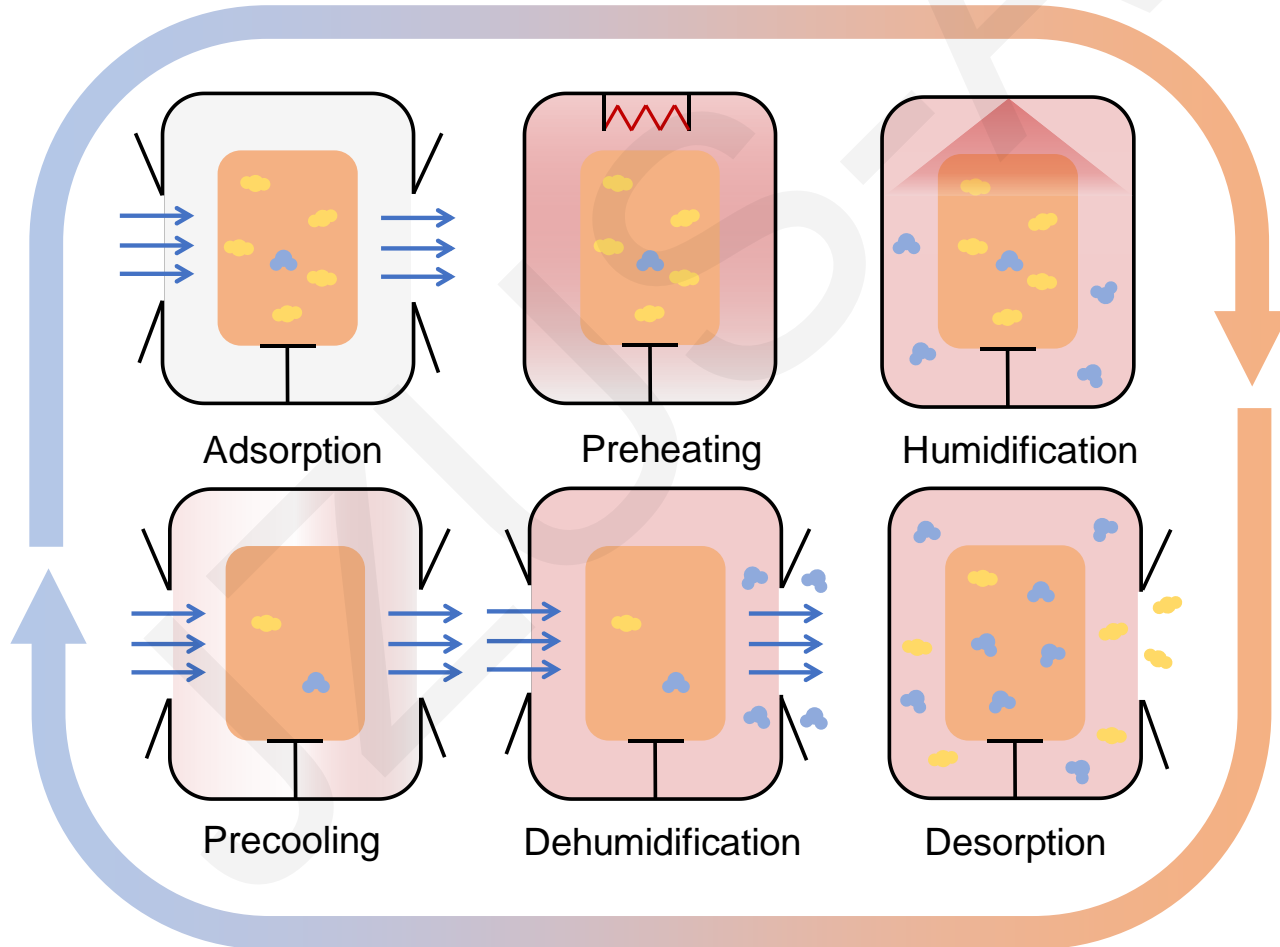
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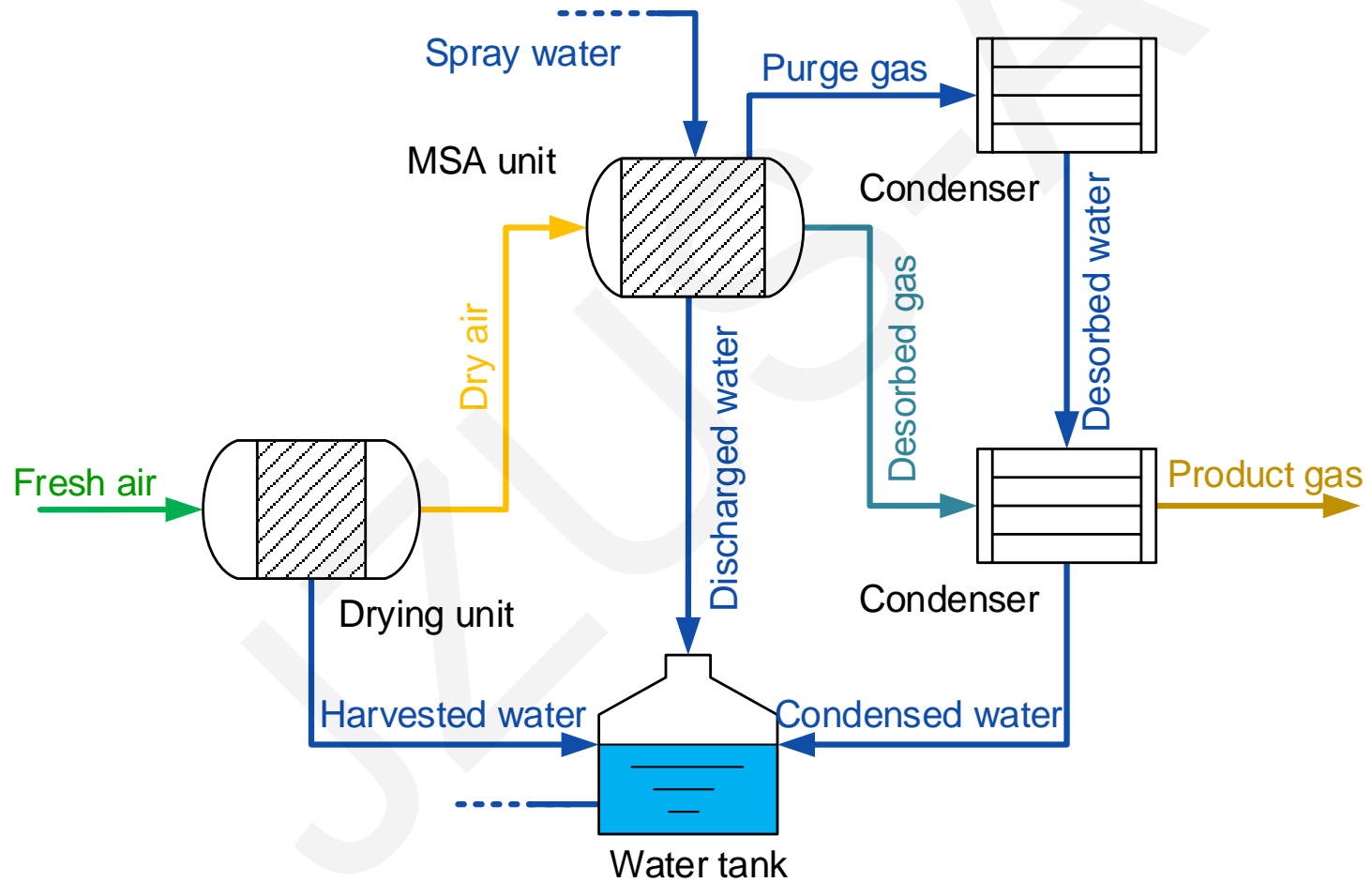
# Mechanism of moisture swing adsorption (MSA)



# Six-step MSA process with temperature swing



# Water recycling system of MSA



# Multi-bed MSA desorption system used for gas fertilizer

