

2023 ChemE Cube Competition

The Duel Rubric

Ver 2, February 2023



Judge's Name:	
Team Affiliation:	

Duel 1

Criteria	Outcome	Scoring
1. Captures CO2 for 30 consecutive seconds.	Yes / No	0, 100
2. Time before material used for capture becomes fully saturated.	Time (s) / 6	0 - 100
3. Consumes the least amount of electricity in “The Duel”	Yes / No	0 / 20
4. Weighs less than its competitor in “The Duel”	Yes / No	0 / 20
5. Output temperature does not exceed 75F	Yes / No	0 / 20
6. Output pressure does not exceed 1 psig	Yes / No	0 / 20
7. Does it smell?	Yes / No	0 / 20
SUB-TOTAL	/300	
Competitor:		
Comments:		

Duel 2

Criteria	Outcome	Scoring
1. Captures CO2 for at least 30 consecutive seconds.	Yes / No	0, 100
2. Time before material used for capture becomes fully saturated.	Time (s) / 6	0 - 100
3. Consumes the least amount of electricity in "The Duel"	Yes / No	0 / 20
4. Weighs less than its competitor in "The Duel"	Yes / No	0 / 20
5. Output temperature does not exceed 75F	Yes / No	0 / 20
6. Output pressure does not exceed 1 psig	Yes / No	0 / 20
7. Does it smell?	Yes / No	0 / 20
SUB-TOTAL	/300	
Competitor:		
Comments:		

TOTAL		/600
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