

Semipermeable Membranes Project Rubric

Criteria	5 (best)	3	1	Points
Identifying the problem.	Showed a clear understanding of the problem to solve.	Needed some teacher direction to define the problem.	Needed a lot of teacher direction to define the problem.	
Working as a team member	Worked well together. All team members participated and stayed on task.	Some team members were occasionally off task.	Most team members were often off task and not cooperating.	
Using the design process	Team brainstormed many design ideas and tested and improved the design. Final design complete or nearly complete and shows creative problem solving.	Some team members were occasionally off task.	Team brainstormed few design ideas and did little testing or redesigning. Final design lacks clear design ideas.	
Processing the science and engineering	Team gave a strong presentation of its solution in creating the most innovative semipermeable membrane and showed clear understanding of the science concepts and design process.	Team gave a basic presentation of its solution to the challenge and showed basic understanding of the science concepts and design process.	Team gave a weak presentation of its solution to the challenge and showed little understanding of the science concepts and design process.	
Total Points (points received x 5)				/100

Additional Notes

Source: Revised from PBS Design Squad, 2009 http://www-tc.pbskids.org/designsquad/pdf/parentseducators/DS_TG_ImplementResources.pdf