

Name \_\_\_\_\_ Date \_\_\_\_\_

## Submersible Modeling Rubric

Use the following criteria to guide you as you develop your testable prototype.

Category	Needs Improvement (1)	Satisfactory (2)	Good (3)
Sketch	A sketch of the prototype based on the group's concept design is not included.	A sketch of the prototype is included, but it does not include all the applicable design elements from the concept design and/or does not match the physical prototype.	A thorough sketch of the prototype is included. It contains all the applicable design elements from the concept design and matches the physical prototype.
Constraints	The physical model meets one or fewer of the given constraints of the testing environment.	The physical model meets three or fewer of the given constraints of the testing environment.	The physical model meets all of the given constraints of the testing environment.
Shallow water tests	A summary of the shallow water testing is not included.	A summary of the shallow water testing is included, but it is not complete.	A complete summary of the shallow water testing is included. The summary describes the testing procedure, includes a data table, and describes factors that might affect how the prototype works in deeper water and what adjustments will need to be made before deep water testing.

© 2013 National Geographic Society