

Name _____

Hovercraft Research

Objective: Students will use research skills to gain a basic understanding of topics.

Directions: Fill out this form on the computer, print it out, and turn it in.

Part I: Research the basic components and principles of hovercrafts. *Site sources*

Part II: Research the design of propellers and fan blades. Draw and/or include diagrams. State which designs are most applicable to hovercrafts and why. *Site sources*

Part III: How does voltage effect the speed of a motor? *Site sources*

Part IV: How does amperage effect battery life? How does amp-hour or milliamp-hour ratings play into battery life? *Site sources*

Part V: From your research and common sense, discuss at least 5 challenges to building a small functioning hovercraft.