

Name: _____

PART I: Functional Classification and Analysis

Describe and sketch the function of the different parts of your assigned product in the table provided below. Provide as much detail as you can on how you think the product works with respect to the following categories:

Product: _____

Category	Visual Representation	Functional Description
Power supply	Sketch and label all components in the system	How is power supplied to the device?
Mechanism that provides primary motion	Sketch and label all components in the system	How is mechanical motion (rotation, translation, etc.) achieved in the device?

Name: _____

Describe and sketch the function of the different parts of your assigned product in the table provided below. Provide as much detail as you can on how you think the product works with respect to the following categories:

Category	Visual Representation	Functional Description
Energy flow of the device	Sketch and label all components in the system	How is power transferred to create motion in the device?
Form and outer body	Sketch and label all components in the system	How does the user interact with the outer components of the device?

Name: _____

Engineering Self-Efficacy for Electromechanical Devices.

Using the provided scale, rate how confident you are that you can perform the following engineering related activities on an electromechanical device. An electromechanical device is one that has physical moving parts in addition to electrical parts that require electrical power to function. An example of an electromechanical device is an electric drill.

Judge your operative capabilities as of **now**, not your potential capabilities or your expected future capabilities.

[illegible]