

5. **Research** a topic that applies the power function. **Describe** why the power function is the most appropriate function for your application. In your application, what do the x- and y-axis represent? What is the relationship between the x and y values? (ex. As time(x) increases, there is a larger sample of bacteria(y))

6. **Sketch** the graph of the power function in your application and **label** your x- and y-axis, and key points.

