1. What was the length of your longest piece of nylon rope (in meters)?

2. Assuming the height and width of your nylon “rope” are 1 mm and 3 mm, what is the volume of nylon rope you made? Given that the density of nylon 6,6 is 1.14 g/cm³, how many grams of nylon is in your rope?

3. How many repeat units is this? (Hint: calculate the “molecular weight” of one repeat unit) Show your work.

4. Estimate how long it took you to pull out this length of nylon rope. How many polymerization reactions occurred per second to give your rope?