

In your work for the CDC (Centers for Disease Control), it is your job to research how quickly dangerous bacteria can grow in case we are faced with an infectious disease epidemic. You place a single bacteria cell on a slide and then count the number of cells each hour after that. You find that the number of cells doubles each hour.

Create a presentation for the CDC leadership to explain the threat.

My first thinking:

Your Eco Vacation Company wants to build an Eco-Lodge near the Popocatepetl Volcano in Mexico. The Mexican state of Puebla's planning committee requires that all construction be a safe distance from the volcano in case of an eruption. You find out that lava flows at a rate of around 3 meters per second.

Create a presentation for the planning committee to explain to the committee why your chosen location meets the safety requirements.

My first thinking:

Now that Curiosity has landed on Mars, you want to prospect for precious metal. You have found some backers for this project. You can claim any rectangular piece of land that can be surrounded by 20 meters of laser fencing.

Create a presentation for your backers that makes clear the choices for your plot.

My first thinking: