

## Initial Model

Develop an initial model to explain: “How does a flameless heater work to heat up food just by adding room-temperature water?”

1. In the rectangle area, draw the parts of the flameless heater we can see when water is added.
2. In the top zoom-in circle, model what you think is happening at a spot inside the flameless heater **at a scale we cannot see before** water is added.
3. In the bottom zoom-in circle, model what you think is happening at the same spot inside the flameless heater **at a scale we cannot see after** water is added, when the heater is heating up.

