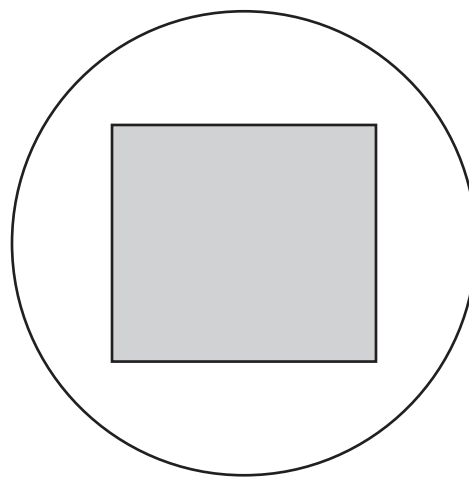
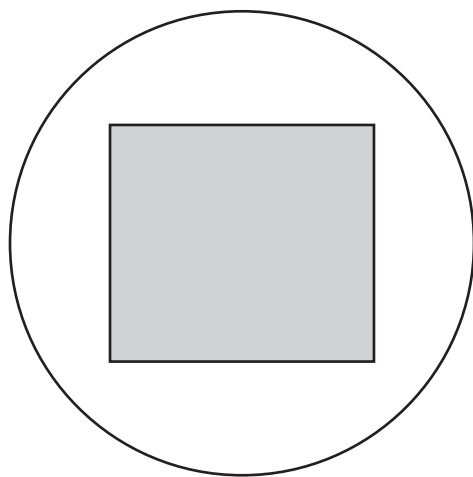
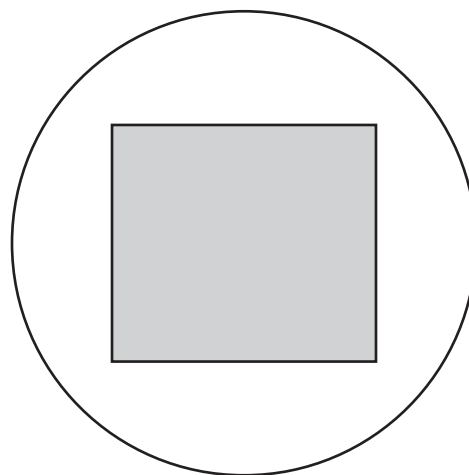
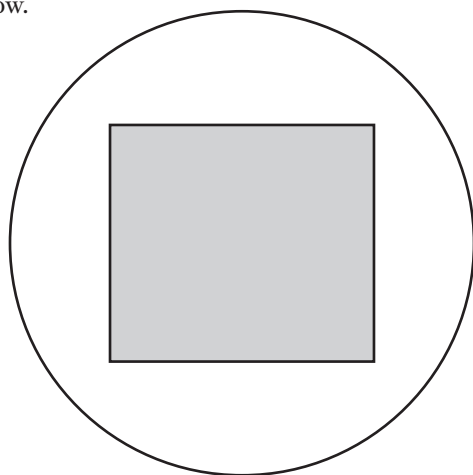




Indirect Observations & Inference Worksheet

The laser will be “fired” every few centimeters along the length of all four sides of the cardboard square. Below are four blank diagrams of the experiment. For each side examined, draw a ray for the initial and final points of each beam of laser light. See example below.



Post-Lab Questions and Analysis

1. Based on your indirect observations and collected data, what inferences can you make about the object underneath the cardboard?

What is its shape and dimensions?

What is its surface like?

2. Recall Rutherford's gold foil experiment from your textbook.

How is this demonstration analogous to Rutherford's classic experimental set-up?

