

The Effect of the Number of Paper Clips on the Accuracy of the Helicopter

Question: How does the number of paper clips on the helicopter affect its accuracy?

Hypothesis: *I think that* _____

Independent Variable: _____

Dependent Variable: _____

Procedure:

(1) Gather the following materials:

- pattern for helicopter
- scissors
- ruler
- 4 paper clips
- landing site

(2) Follow the directions for making a helicopter. Attach a paper clip to the bottom.

(3) Drop your helicopter from 1 meter above the landing site.

(4) Measure how far it lands from the center of the target.

(5) Record your results in the data table.

(6) Add one paper clip and repeat steps 3 -5 until you have dropped it with 4 paper clips.

Data Table

Number of Paper Clips	Distance from Target Center (cm)
1 clip	
2 clips	
3 clips	
4 clips	

List 4 Constants: _____

List two Observations that you made:

① _____

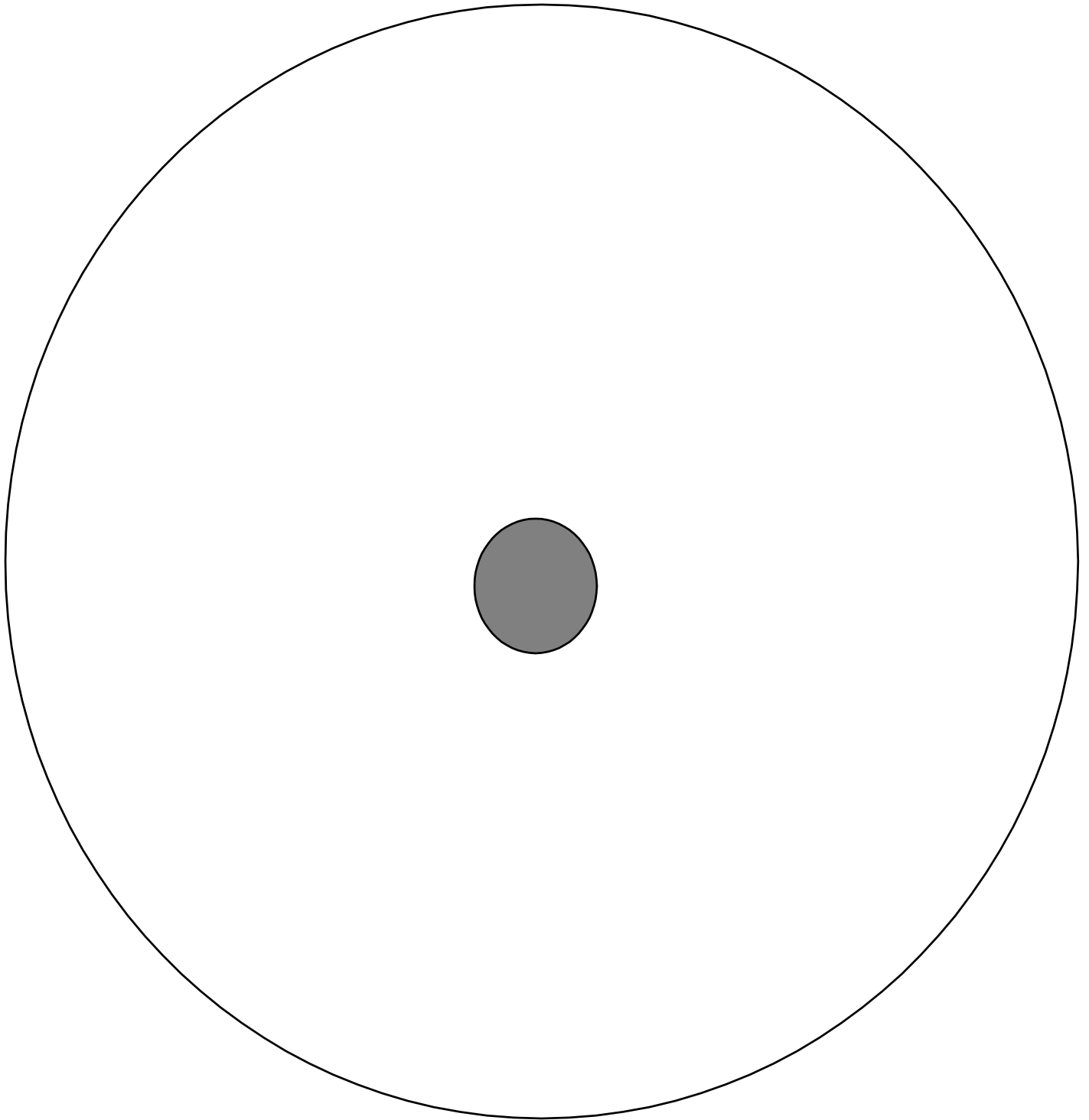
② _____

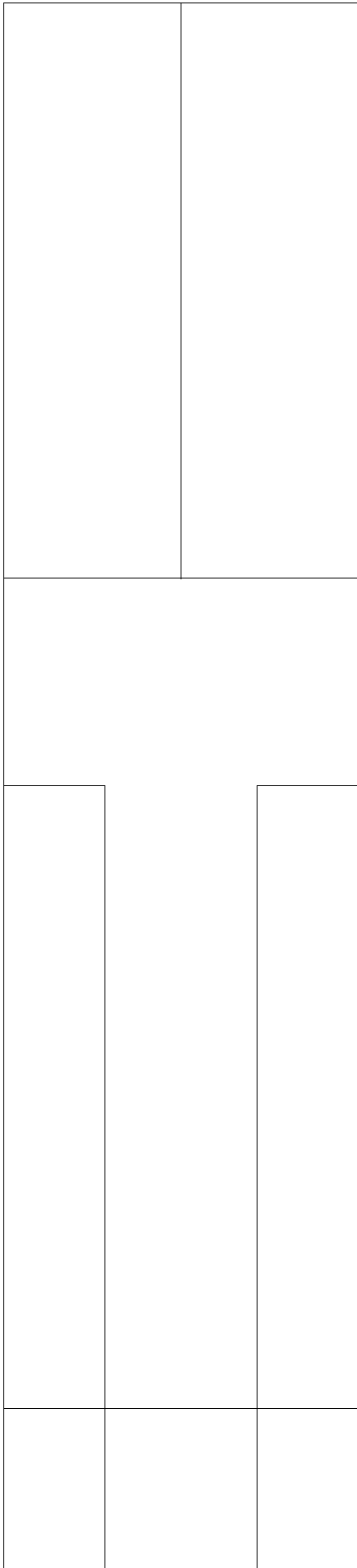
Helicopter Drop Lab Evaluation

- ① What were some things in this lab that were not specified as constants, but should have been? List at least 3 things.

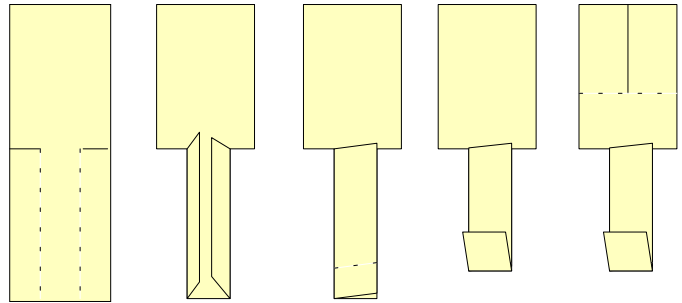
- ② In the space below, rewrite the procedure to include the specified items that you have listed above.

Helicopter Landing Site





Instructions



THE PLANE

- Cut on the two middle horizontal lines, and fold in.
- Fold the bottom flap up.
- Cut the vertical line at top to create two flaps.
- For best results, attach a paper clip to the bottom
- Drop and watch it spin!

