

<h2 style="margin: 0;">Lesson 7: Air Is Real</h2> <p style="margin: 0;">BALLOON ROCKET</p>	Week 7
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INVESTIGATION QUESTION

Does air take up space and have weight, just like solids and liquids?

HYPOTHESIS

Hint: try writing it as "If _____, then _____, because _____."

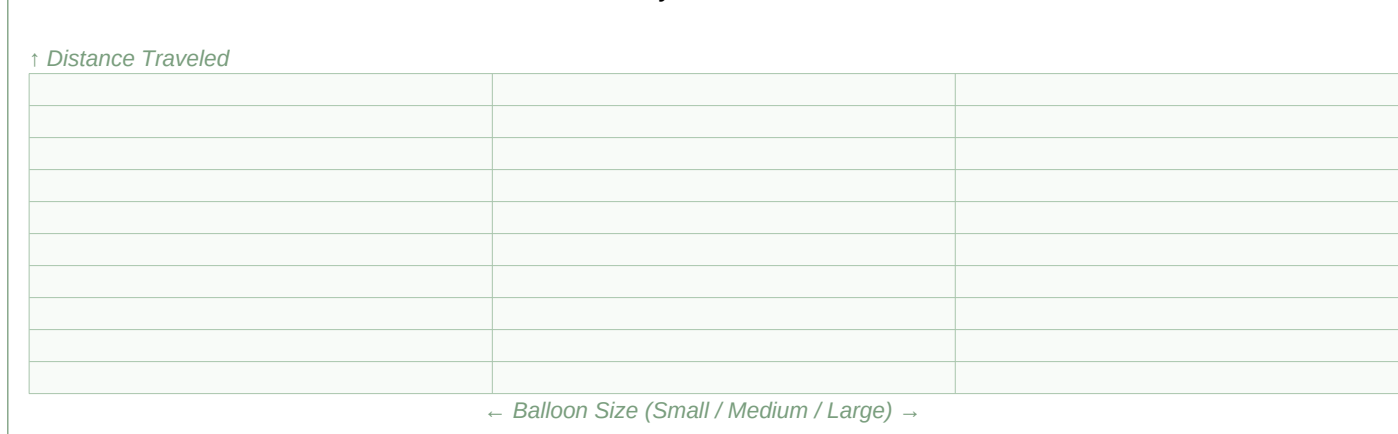
DATA TABLE — Does Balloon Size Affect Distance?

Run the rocket at least 3 times with different inflation levels. Measure how far it travels.

Trial	Balloon Size (S / M / L)	Distance Traveled	Notes

GRAPH — Balloon Size vs. Distance

Plot balloon size on the x-axis and distance on the y-axis.



ANALYSIS

1. What was pushing the balloon forward?

2. What pattern did you see between balloon size and distance?

3. If air had no mass, what would you expect to happen when you released the balloon? What does the result prove?

CONCLUSION

This experiment proves that air is real matter because:
