

<h2 style="margin: 0;">Lesson 3: Gravity Introduction</h2> <p style="margin: 0;">BLOCK TOWER CHALLENGE</p>	Week 3
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INVESTIGATION QUESTION

How does gravity affect a leaning tower, and what must builders do to keep a structure standing?

HYPOTHESIS

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

DATA TABLE

Surface Type	Tower Stand? (Y/N)	Direction It Fell	Plumb Bob Aligned? (Y/N)	Notes

SKETCH — Draw your tower and the plumb bob beside it. Label the direction gravity is pulling.

ANALYSIS

1. Which direction did your tower fall? Why?

2. What did the plumb bob show about the direction "vertical" always points?

3. Why do builders check that walls are vertical before finishing? What happens over time to a building that is slightly off?

CONCLUSION

Gravity affects towers by:
