

Name _____ Date _____



What Goes Up, Must Come Down! Thinksheet



Begin with a Question: *What will happen if objects with different masses are dropped at the same time?*

Think It Through

Class Survey--What would happen if a bowling ball and a golfball were dropped at the same time?

The bowling ball will win	The golfball will win	They will tie

Terms

1) mass _____

2) speed _____

3) gravity _____

Hypothesis: Objects with different masses will fall to the Earth

at different speeds/ at the same speed (circle one) because _____

Design a Test: Work with your team to figure out a test for your hypothesis that is fair. Using words and/or pictures, describe your test below.

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What Goes Up, Must Come Down! Data Sheet



Begin with a Question: *What will happen if objects with different masses are dropped at the same time?*

Objects	Prediction (Which object will win?)	Result (Which object DID win?)

Make Sense of It: Tally class results below.

Objects with more mass won	Objects with less mass won	Mass didn't matter

Conclusion: Based on the data collected, I...

accept my hypothesis / reject my hypothesis / accept the null hypothesis (circle one)

because _____
