Rockets!: Student Activity Sheet

Name:_____ Date:_____

Part 2: Deliver the Payload

Using the rocket, determine how much water and effervescent tablets you need to deliver a payload into "outer space." Each test launch costs a lot of money, so **fewer** launches are better.

Launch #	Amount of Water (mL)	Sketch the Amount of Effervescent Tablet	Deliver Payload (circle one)
1			Y N
2			Y N
3			Y N
4			Y N
5			Y N

How many launches did it take to complete the challenge? _____

Part 3: How High Can You Fly?

Continue to change the amount of water and effervescent tablet and see how high you can launch the rocket.

Launch #	Amount of Water (mL)	Sketch the Amount of Effervescent Tablet	Approximate Height
1			
2			
3			
4			
5			

How did you measure the height your rocket flew? _____

Part 4: Size and Scale of the Planets in Our Solar System

1. Using a pencil, draw a 10 mm line under **Earth - Actual**. This line represents the diameter, or, the middle of the Earth. This measurement can also be thought of as the equator of Earth.

Earth For our model, 10mm will represent the size of Earth.	**Earth** Actual
Uranus Prediction	**Uranus** Actual
Mercury Prediction	**Mercury** Actual
Venus Prediction	**Venus** Actual
Mars Prediction	**Mars** Actual
Jupiter Prediction Actual	
Saturn Prediction Actual	
Neptune Prediction	**Neptune** Actual

Which planet's size, compared to Earth, surprised you the most? Explain your reasoning. _____

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