Acceleration



Variables that Affect Acceleration?



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Variables that Affect Acceleration?







<u>Purpose</u>: To determine the relationship between







<u>Purpose</u>: To determine the relationship between an object's <u>acceleration</u> and its

<u>mass</u>.





Minimizing Friction.





Patterns in Nature



What to Whiteboard





- Show BOTH graphs.
 LABEL the variables and units on each axis.
- Write the equation for your "linearized" graph (y = mx + b)
- Be ready to discuss the meaning of the <u>slope</u> and <u>y-intercept</u>.



5% Rule: If the y-intercept is less than 5% of the maximum y-value, then you can say that it is insignificant or

zero.

Logic: If you can reason that the y-intercept should be zero. You can say its is zero.



a = (0.02 kg m/s/s) 1/m - 0.02 m/s/s







