**Powerful Pulleys: The Power of Mechanical Advantage Activity – Pulley Power Worksheet**

**Instructions**

1. Use the table below to fill in information about your pulley experiments. Try several trials of different setups, changing only single **variables** such as pulley setup, power, or total load.
2. Record important **observations** such as the ability to lift the books, the speed of lifting, and feel of tension in the string.
3. Compare results with your classmates.

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| **Variables** | | | **Observations** | | |
| **Pulley Setup** | **Power** | **Total Load** | **Abilities to Lift** | **Speed of Lifting** | **Tension in Strings** |
| 2 moving pulleys | 50 | 5 books | Able to lift | Slow | Tight |
| 0 moving pulleys | 50 | 5 books | Unable to lift | - | Tight |
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