

Name: \_\_\_\_\_

Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Student Sheet 12.1**  
**How Is a Pulley System Used To Do Work?**

**Directions** Complete Table 1 as you measure the effort force, load force, and effort distance for four different pulley systems and calculate the input work for each system. Show your calculations in the last column.

**Table 1 Effort Force, Effort Distance, and Work in Pulley Systems**

Load force: \_\_\_\_\_ Load distance: \_\_\_\_\_

Type of Pulley System	Effort Force (N)	Effort Distance (m)	Input Work (N-m)	Calculations
Single fixed				
Single fixed, single movable				
Double fixed, single movable				
Double fixed, double movable				