



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Match each of the following terms to its definition:**

Wheel and axle

Power

Screw

Work

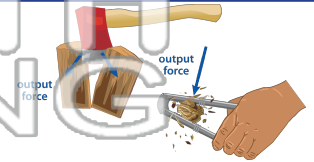
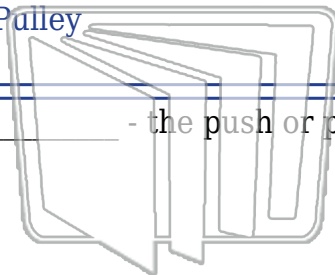
Pulley

Watt

Wedge

Output force

1. \_\_\_\_\_ - the push or pull that a machine exerts on an object



2. \_\_\_\_\_ - the rate at which work is done or energy is transformed

$$\text{power} = \frac{\text{amount of work}}{\text{time}} = \frac{\text{force} \times \text{distance}}{\text{time}}$$

3. \_\_\_\_\_  
construc

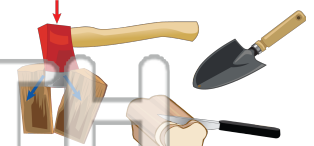
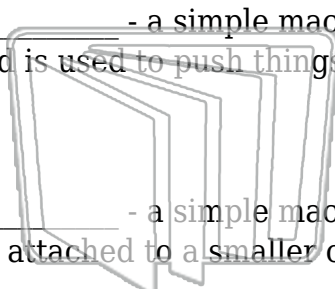


4. \_\_\_\_\_  
around a

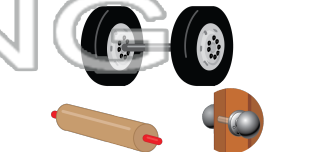
## PREVIEW

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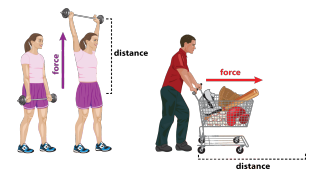
6. \_\_\_\_\_ - a simple machine that has a pointed edge and two slanted sides and is used to push things apart



7. \_\_\_\_\_ - a simple machine consisting of a large cylinder, the wheel, which is attached to a smaller cylinder, the axle



8. \_\_\_\_\_ - the transfer of energy to an object by exerting a force and causing the object to move in the same direction as the force





Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Match each of the following terms to its definition:**

Wheel and axle

Power

Screw

Work

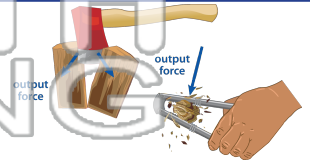
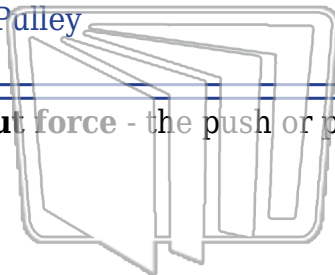
Pulley

Watt

Wedge

Output force

1. **output force** - the push or pull that a machine exerts on an object



2. **power** - the rate at which work is done or energy is transformed

$$\text{power} = \frac{\text{amount of work}}{\text{time}} = \frac{\text{force} \times \text{distance}}{\text{time}}$$

3. **pulley**  
cable plate

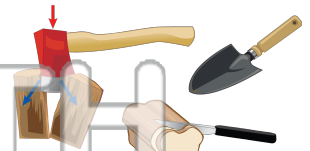
4. **screw**  
cylinder

5. **watt** -

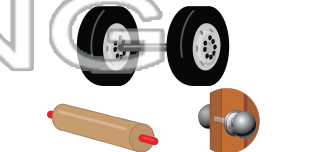
**PREVIEW**

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6. **wedge** - a simple machine that has a pointed edge and two slanted sides and is used to push things apart



7. **wheel and axle** - a simple machine consisting of a large cylinder, the wheel, which is attached to a smaller cylinder, the axle



8. **work** - the transfer of energy to an object by exerting a force and causing the object to move in the same direction as the force

