

Name \_\_\_\_\_ Simple machines: pulleys

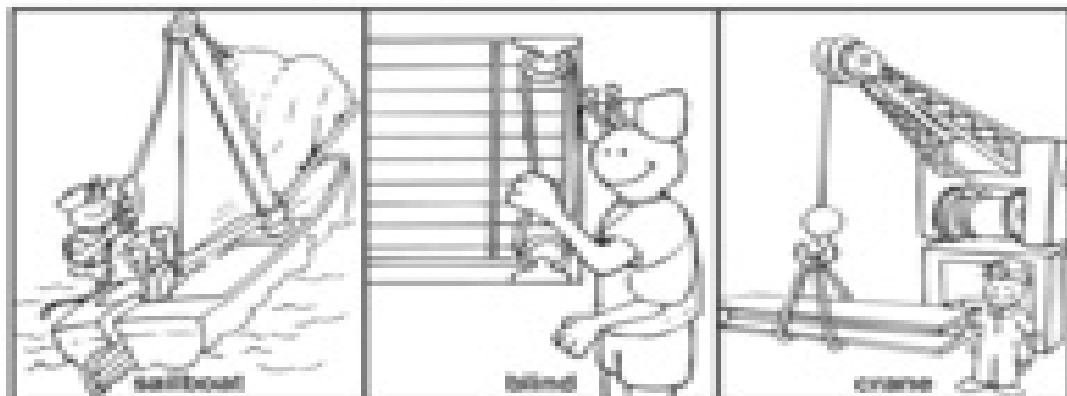
## Pulley Power

A **pulley** is a simple machine. A pulley is a wheel with a rope moving around it. The wheel has a groove. The rope fits in the groove. One end of the rope is attached to a load. When the other end of the rope is pulled, the wheel moves. The load is easy to lift.

Color each picture below.

Circle the pulley.

Draw a box around the load the pulley lifts.



Circle the answer.

Write the answer in the blank.

1. A pulley has a \_\_\_\_\_ .      lever      screw      wheel
2. The wheel has a \_\_\_\_\_ .      hole      groove      hook
3. A \_\_\_\_\_ fits in the groove.      rope      nail      gear
4. Pulleys help lift a \_\_\_\_\_ .      wheel      load      groove

**Bonus Box:** You want to raise a flag on a flagpole. On the back of this sheet, draw a picture showing how you could use a pulley to help you.