

Name \_\_\_\_\_

## Unlocking the Secrets of Simple Machines

### Short Answer Key

1. (Answers may vary but should include examples such as using a crowbar to lift a heavy object or opening a bottle with a bottle opener.)
2. (Answers should explain that when you pull on one end of the rope, it moves the pulley and helps you lift or lower objects.)
3. (Answers should describe that inclined planes make it easier to move objects vertically by spreading the force over a longer distance, like using a ramp to load heavy items onto a truck.)
4. (Answers may vary but should include examples such as using a knife to cut fruits or using a doorstop to hold a door open.)
5. (Answers should mention that screws are used to hold things together, create a mechanical advantage, or lift objects when turned.)

