

17-3 Friction Worksheet

1. Which has more friction: A 3 pound block of wood or a 15 pound block of wood? Explain your answer.
2. Which has more friction: A book on a rough surface or the same book on a smooth surface? Explain your answer.
3. Which has more friction: A book with a surface area of 40 square inches or a book of the same weight with a surface area of 20 square inches? Explain your answer.
4. Which has more friction: A block of wood on a concrete driveway or a the same block of wood on an ice covered concrete driveway? Explain your answer.
5. Which has more friction: A person on a dry slip and slide or a person on a wet slip and slide? Explain your answer.
6. Which has more friction: Rubbing your hands together or rubbing your hands together using lotion? Explain your answer.
7. Which has more friction: 2 pieces of metal rubbing together or 2 pieces of metal rubbing together with motor oil between them? Explain your answer.
8. Which has more friction: pushing a dresser along the floor or pushing a dresser on a dolly? Explain your answer.
9. Why do we use oil in automobiles?