

Reducing Friction Review

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Understanding Friction and Its Reduction Techniques

Name: _____

Date: _____

Answer the following questions based on the lesson about reducing friction.

1. What are the three methods we learned to reduce friction?

2. Which method creates a slippery layer between surfaces to reduce friction?

- A. Using wheels
- B. Applying lubricants
- C. Creating smooth surfaces

3. Smooth surfaces have more texture, which increases friction.

True False

4. Friction is a resistance that ___ things down.

5. Why is it important for engineers to reduce friction?

6. What is one benefit of using wheels to reduce friction?

- A. They increase surface contact
- B. They distribute weight
- C. They create rough surfaces

7. Lubricants can be used to help reduce friction in machines.

True False

8. Understanding friction can help solve ___-world problems.

9. Where do you see friction reduction in everyday life?

10. Which of the following is NOT a method we discussed for reducing friction?

- A. Using wheels
- B. Applying lubricants
- C. Adding weight

Answer Key

1. The three methods to reduce friction are using wheels, applying lubricants, and creating smooth surfaces. 2. Applying lubricants 3. False 4. slows 5. Engineers want to reduce friction to improve efficiency and performance in machines and transportation. 6. They distribute weight 7. True 8. real 9. I see friction reduction when riding a bike with wheels and when using oil on squeaky hinges. 10. Adding weight

