

# FRICTION

## Subtopic: Friction: A Necessary Evil.

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### Section 1

1 Mark T for True or F for False.

1 a. It is easier to hold any material.

1 b. You can walk easily on a marble floor if there is no friction.

2 Choose the correct answer.

Alida runs her toy car on dry marble floor, wet marble floor, newspaper and towel spread on the floor. The force of friction acting on the car on different surfaces in **increasing order** will be

- (a) Wet marble floor, dry marble floor, newspaper and towel.
- (b) Newspaper, towel, dry marble floor, wet marble floor.
- (c) Towel, newspaper, dry marble floor, wet marble floor.
- (d) Wet marble floor, dry marble floor, towel, newspaper

### Section 2

3 Fill in the blanks.

You cannot write using a pen or pencil if there is \_\_\_\_\_.

4 Complete the following sentences.

4 a. \_\_\_\_\_, no buildings can be constructed.

4 b. When a machine is operated, \_\_\_\_\_ causes much energy waste.

### Section 3

Answer the questions in brief.

5. How do you relate friction being an evil?

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6. Give necessary examples of friction being an evil.

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7. Friction produces heat. Give examples and explain.

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8. Is there any friction between the chalk and the board? Explain.

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### Section 4

Answer the questions in detail.

9. Explain why a friction called an evil. Give necessary examples.

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