

# FRICION

## Subtopic: Friction - Types of frictions.

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### Section 1

1 Mark T for True or F for False.

1 a. All the vehicles are designed to have shapes reducing fluid friction.

1 b. It is difficult to roll than to slide a body over another.

2 Choose the correct answer.

Four children were asked to arrange forces due to rolling, static and sliding frictions in a **decreasing order**. Their arrangements are given below. Choose the correct arrangement.

- (a) Rolling, static, sliding
- (b) Rolling, sliding, static
- (c) Static, sliding, rolling
- (d) Sliding, static, rolling

### Section 2

3 Fill in the blanks.

Sprinkling of powder on the carrom board is an example of \_\_\_\_\_ friction.

4 Give your answer for the following.

Show that a friction is both a friend and a foe.

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### Section 3

Answer the questions in brief.

5. Define the term 'Friction'.

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6. List the types of friction.

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7. Give examples for each of the types of friction.

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8. Compare a rolling friction and a sliding friction.

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### Section 4

Answer the questions in detail.

9 a. Explain about the concept of friction by giving necessary detailed examples.

b. Iqbal has to push a lighter box and Seema has to push a similar heavier box on the same floor. Who will have to apply a larger force and why?

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