

# FRICTION

## Subtopic: Factors affecting friction and its causes.

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### Section 1

1 Mark T for True or F for False.

1 a. There is no way of having static friction in any situation.

1 b. The force of friction increases based on the two surfaces that are not pressed.

2 Choose the correct answer.

Which of the following statements are true?

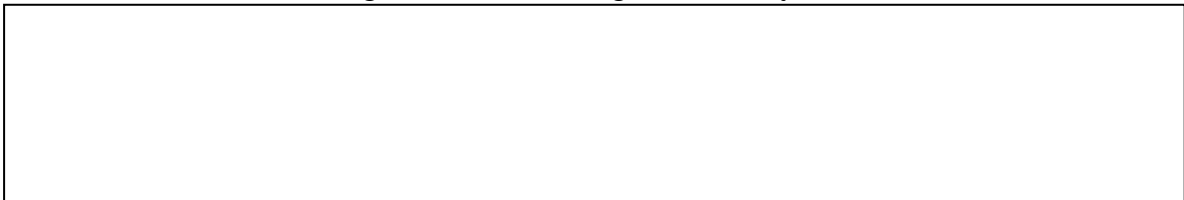
- a) There are possibilities of interlocking of irregularities.
- b) The sliding friction is smaller than the static friction.
- c) Both a and b.
- d) None of the above.

### Section 2

3 Fill in the blanks.

The friction is \_\_\_\_\_ if a rough surface is involved.

4 Draw on the surface irregularities occurring on two objects.



### Section 3

Answer the questions in brief.

5. Define the term 'Spring Balance'.

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6. Does the distance covered depend on the nature of the surface on which the object moves?

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7. How is friction caused?

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8. Is it easier to move the object at rest or at motion? Why?

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## Section 4

Answer the questions in detail.

9. Explain about the factors affecting friction with necessary examples.

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