

FRICTION

Subtopic: Increasing and reducing friction, Wheels reduces the friction, Fluid friction.

Section 1

1 Mark T for True or F for False.

1 a. Friction is increased by using ball bearings.

1 b. Reduction in friction can occur in rough surfaces.

2 Choose the correct answer.

Which of these statements are correct?

- a) Fluid friction can be minimized by giving suitable shapes to the bodies moving in fluids.
- b) Friction is sometimes undesirable.
- c) Rolling friction is slightly smaller than sliding friction..
- d) All of the above.

Section 2

3 Fill in the blanks.

The frictional force on an object in a fluid depends on its _____.

4 Give an example for each of the following.

4 a. Fluid friction - _____.

4 b. Sliding friction – _____.

4 c. Increasing friction – _____.

4 d. Reducing friction - _____.

Section 3

Answer the questions in brief.

5. Differentiate between increasing and reducing friction.

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6. Define sliding friction. Give examples.

7. What is called as lubricants?

8. Define drag.

Section 4

Answer the questions in detail.

9. Explain about the increasing and reducing friction with necessary examples.

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10 a. Explain about fluid friction in detail.

b. How do wheels reduce friction? Explain.
