bananalearn

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Friction in everyday life for Grade 8

Practice worksheet - Science · Grade 8

Name: _____ Date: _____

Show your working. Answers are not included in this copy.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. A book slides left on a desk. Which way is friction on it?

2. Can static friction be non-zero when an object is still?

3. Is static friction always at its maximum?

4. Can required friction be zero on a level surface?

5. Why can rubbing surfaces become warm?

6. Do wheels eliminate all resistance?

7. Why are tyre treads useful?

8. Why lubricate suitable moving machine parts?

Practice continued

9. What does normal mean in normal contact force?

10. Must friction always point opposite a person's forward motion?

11. Name the resistance from air around a moving cyclist.

12. Does more apparent contact area always mean more dry friction?

13. Should you oil a shoe sole to test reduced friction?

14. Give one helpful and one unwanted effect of friction.