



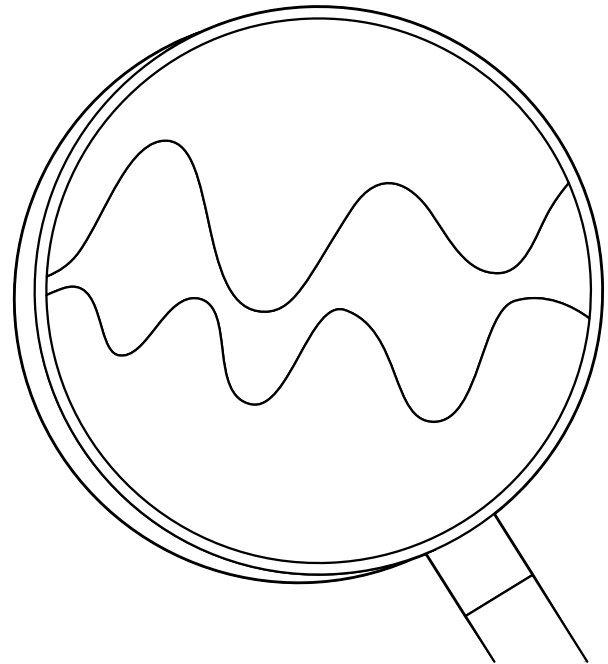
Name: Form:

See pages 14 and 15 of *Friction*

Reducing friction

Friction can be lowered by adding liquids between surfaces. These liquids are called lubricants.

Q1. The diagram shows the bumps and troughs on two surfaces. Draw in how the surfaces would look after they have been oiled.



Q2. Why can a door handle be difficult to move?

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Q3. When an oiled surface is turned upside down, why doesn't the oil fall off?

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Q4. Why is it harder for bumps to sink into troughs on an oiled surface?

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Q5. Why is oil used as a lubricant instead of syrup?

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Q6. Why is oil used as a lubricant instead of water?

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