















5.2 Reducing the force of friction



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- Unless a force is constantly applied, friction will slow all motion to a stop eventually.
 - It is impossible to completely get rid of friction, but it can be reduced.

5.2 Reducing the force of friction



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- The friction between a shaft (the long pole in the picture) and an outer part of a machine produces a lot of heat.
- Friction can be reduced by placing ball bearings between the shaft and the outer part.









5.2 Friction and energy



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Which rocks have been worn by friction and which have not?



Each time two moving surfaces touch each other, tiny bits of material are broken off by friction.

Breaking off bits of material uses energy.