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Class :- 4 Subject - EVS

Based On NCERT

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Friction

HARMFUL EFFECTS OF FRICTION

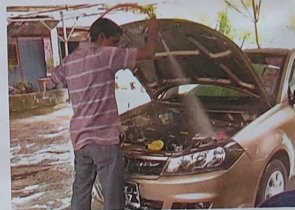
Friction is harmful too. Friction causes wastage of energy. This is because any object that moves, has to overcome the force of friction.

Friction wears out the rubbing surfaces. The soles of your shoes wear out in a few months due to friction. The moving parts of a machine wear out with time because of friction.

Friction generates heat. Sometimes, this can be harmful. The heat produced in a fast moving machine is very high. Proper arrangements have to be made to cool the machine, otherwise, it can get damaged. If the cooling arrangement in a car does not work properly, the engine can get jammed.



Wear out soles of shoes



Cooling a car with water

1. Write two harmful effects of friction.

Answer = Friction causes moving objects to stop or slow down. Friction produces heat causing wastage of energy in machines. Friction causes wear and tear of moving parts of machinery, soles of shoes, etc.

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