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**Class :- 4                      Subject - EVS**

**Based On NCERT**

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**Friction**

**Rollers and Wheels**

Rollers and wheels also reduce friction, for example, rollers of luggage bags help reduce friction and it becomes easier to pull them.



Roller luggage bag

**HOW TO INCREASE FRICTION**

It is sometimes desirable to increase friction to avoid slipping. Friction can be increased by making the surfaces rough.



Grooves on tyres

🌟 Tyres have designs and patterns with grooves on the surface to increase resistance (friction) with the road. This prevents slipping of the tyres on a wet road.

🌟 Sand and gravel are spread on slippery ground during the rainy season to increase friction, so, it is easier to walk on the ground.



Gravel on a slippery ground



Shoes with spikes

🌟 Spikes are provided in the soles of shoes used by players and athletes to increase friction so that they get a firm grip on the ground.

**1. Suggest two ways to increase friction.**

**Answer = (I) Tyres have designs and patterns with grooves on the surface to increase resistance (friction) with the road.**

**(II) Spikes are provided in the soles of shoes used by players and athletes to increase friction so that they get a firm grip on the ground .**

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**Jyoti**