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**Class :- 4                      Subject - EVS**

**Based On NCERT**

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**Friction**

**1. Points to write and remember.**

- **Force of friction develops when an object touches or rubs against a surface .**
- **Friction either slows down or completely stops the object from moving .**
- **If there is no friction , then things will not stop moving . But , if there is too much of friction, things will not move at all .**
- **Friction is useful in many ways .**
  - a. **it prevents us from slipping while walking .**
  - b. **It helps us to hold many things .**
  - c. **It helps vehicles to move or stop.**
  - d. **It helps produce sound.**
- **Friction is also harmful in many ways .**
  - a. **it is difficult to slide a heavy box on floor .**
  - b. **It causes wear and tear of machine parts.**
  - c. **It gives rise to unwanted heat.**
  - d. **It produce noise .**
  - e. **Extra energy is needed to keep objects moving.**
- **Friction can be reduced by using oil, grease , power , wheels or by polishing .**
- **Friction can be increased by increasing roughness of the surface.**

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**Jyoti**