

~~Q. Disadvantages of~~

Q. A) Disadvantages of friction are:-

- Friction opposes the motion of a body, so it decreases the efficiency.
- Friction causes wear and tear in the moving parts.
- Friction produces heat.

B) Advantages of friction are:-

- In absence of friction, we would not be able to walk on road.
- When the road becomes slippery wet after rain, friction is reduced and hence, the road becomes slippery.
- We slip on icy roads or polished smooth surfaces.

- The wheels of vehicles would fail to rotate without moving ahead if there is no ~~for~~ friction between the wheels and the ground.
- Friction helps in supporting a ladder inclined to wall.
- Without friction, objects would slide off a table unless it is perfectly horizontal.
- It would be difficult to sit on a ~~chair~~ <sup>chair</sup> without friction on brush on teeth using a tooth brush.
- Brakes in a vehicle work because of the friction between the brake-lining and the drum of ~~the~~ the wheel.

- Friction is necessary to light a match-stick.

- It is due to friction that we can write on a board by a chalk.