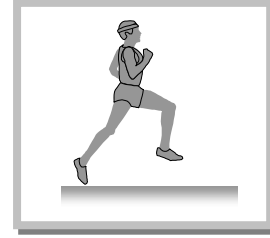


Advantages and Disadvantages of Friction.

(1) Advantages of friction

- (i) Walking is possible due to friction.
- (ii) Two body sticks together due to friction.
- (iii) Brake works on the basis of friction.
- (iv) Writing is not possible without friction.
- (v) The transfer of motion from one part of a machine to other part through belts is possible by friction.



(2) Disadvantages of friction

- (i) Friction always opposes the relative motion between any two bodies in contact. Therefore extra energy has to be spent in overcoming friction. This reduces the efficiency of machine.
- (ii) Friction causes wear and tear of the parts of machinery in contact. Thus their lifetime reduces.
- (iii) Frictional force result in the production of heat, which causes damage to the machinery.