

Exp-B-13/14

- 13) Friction is the resistance to motion of one object ~~was~~ moving relative to another. It is not a fundamental force, like gravity or electromagnetism. Instead, scientists ~~the~~.
- 14) If we stop paddling our bicycle, it gradually slows down & ultimately stops after moving for few seconds, this happens due to the frictional force.

Q) Effects of friction

- ⇒ friction opposes motion
- ⇒ friction always act in a direction opposite to the direction of motion.
- ⇒ Friction produces heat
- ⇒ friction causes wear & tear.

Q) Friction is a force that opposes relative motion between systems in contact for example - friction slows a hockey puck sliding on ice.

Q) When we push a toy car it stops after a while because of the force of friction acting at the opposite side.

Q) Rubbing your hands against each other produces heat. This proves friction produces heat.