

Solution Riding your Bike

When you push with your foot on the peddle, that force is transferred to the chain of your bike. That chain exerts a force on the gear of your bike's rear wheel, trying to get it to rotate. Your wheel touches the earth and, because of the force on the gear, the wheel exerts a force in the earth, trying to push the earth backwards. Due to action=reaction, the earth exerts a forward force on your wheel.

So actually, biking means "making the earth push you forward"!

