

# Friction

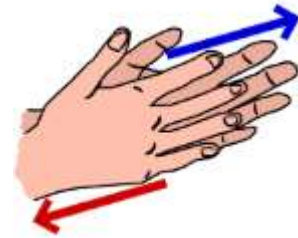
## Grade 3 Science Worksheet



Friction is caused when things rub against each other. It slows things down.

Rough surfaces cause more friction than smooth surfaces.

Try this: Rub your hands together. You can feel friction between your hands. Rub your hand on a few different surfaces like a table and your clothes.



Which surface had the most friction? How do you know?

---



---

### Circle one:

- You will slide faster if there is **more / less** friction on a playground slide.
- Which material would make more friction if you rubbed your hand on it? **tile / carpet**
- To slow down a speeding bike, brakes create **a little / a lot** of friction against the tires.
- If you tried to walk on ice you might slip because there is **too much / too little** friction.
- It is easier to pedal a bike on **a dirt trail / a smooth road** because there is **more / less** friction.



## Answers

Circle one:

- You will slide faster if there is **more** / **less** friction on a playground slide.
- Which material would make more friction if you rubbed your hand on it? **tile** / **carpet**
- To slow down a speeding bike, brakes create **a little** / **a lot** of friction against the tires.
- If you tried to walk on ice you might slip because there is **too much** / **too little** friction.
- It is easier to pedal a bike on **a dirt trail** / **a smooth road** because there is **more** / **less** friction.

