Name: _____ Date: _____

Friction

Q1. Why do we slip when we step on a banana peel?

Ans. _____

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Q2. Why the sole of our shoes is grooved?

Ans. _____

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Q3. Why do car wheels often spin on icy roads?

Ans. _____

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Q4. Why a pencil eraser loses tiny pieces of rubber each time we use it?

Ans. _____

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Q5. Why a vehicle slows down when brakes are applied?

Ans. _____

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Education with Fun

Friction

Q1. Why do we slip when we step on a banana peel?

Ans. The inner side of banana peel being smooth and slippery reduces the friction between the sole of our shoes and the surface of road. Thus, we slip on it.

Q2. Why the sole of our shoes is grooved?

Ans. The grooves are made in the soles of shoes to increase friction with the ground so that the shoes get a better grip on the floor and we can walk safely.

Q3. Why do car wheels often spin on icy roads?

Ans. A car spins on icy road because the treads of the car can no longer maintain the proper friction to keep it moving. Due to ice, the friction reduces and the car spins.

Q4. Why a pencil eraser loses tiny pieces of rubber each time we use it?

Ans. When we use a pencil eraser, friction between the eraser and the paper rubs off some rubber particles from the eraser. Thus, the eraser loses tiny pieces of rubber due to friction.

Q5. Why a vehicle slows down when brakes are applied?

Ans. When brakes are applied, the brake pads press against the discs of the rotating car wheels. This produces friction between brake pads and the discs, making the wheels to slow down and ultimately stop.