Name: _____ Date: _____

Friction

Q1. Which type of friction comes into play when a book on cylindrical pencils is moved by pushing?

Ans. _____

Q2. Name the device which is attached to heavy luggage (such as a heavy suitcase) to move it easily by pulling.

Ans. _____

Q3. Give one example from everyday life where wheels (or rollers) are used to reduce friction.

Ans. _____

Q4. Why a bicycle and a motor mechanic use grease between the moving parts of these machines?

Ans. _____

Q5. Why are cars, aeroplanes and rockets streamlined?

Ans. _____

_____

Q6. What prevents us from slipping every time we take a step forward?

Ans. _____

_____

Q7. Why are treads made in the surface of tyres?

Ans. _____

_____

Education with Fun

Friction

Q1. Which type of friction comes into play when a book on cylindrical pencils is moved by pushing?

Ans. Rolling friction

Q2. Name the device which is attached to heavy luggage (such as a heavy suitcase) to move it easily by pulling.

Ans. Rollers

Q3. Give one example from everyday life where wheels (or rollers) are used to reduce friction.

Ans. Suitcase

Q4. Why a bicycle and a motor mechanic use grease between the moving parts of these machines?

Ans. They do so to reduce friction in order to increase efficiency.

Q5. Why are cars, aeroplanes and rockets streamlined?

Ans. Cars, aeroplanes and rockets are streamlined to reduce the fluid friction.

Q6. What prevents us from slipping every time we take a step forward?

Ans. Frictional force prevents us from slipping every time we take a step forward.

Q7. Why are treads made in the surface of tyres?

Ans. The treaded tyres of cars, trucks and bulldozers provide better grip with the ground.