

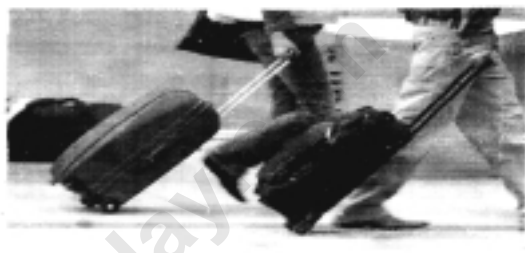
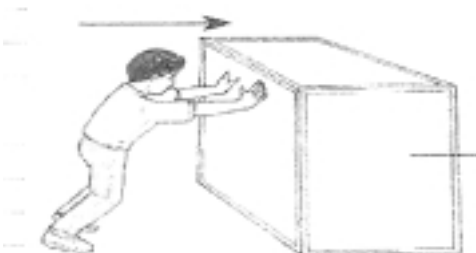
L-12

“Friction”

Q.1 A moving ball on a ground stops after some time. Name the force responsible for it.

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2. Name the Type of friction in following tow cases :



.....

Out of the above two types of friction name the friction which requires less effort.

.....

3. Match the following :-

- | | |
|----------------------|--|
| i) Bird | a) Measures the force acting on an object. |
| ii) Spring Balance | b) Static friction |
| iii) Moving body | c) Lubricant |
| iv) Reduces friction | d) Drag |

4. Choose the correct option :-

i) Static friction comes to play when the object is

- | | | | |
|--------------------|--------------------------|------------|--------------------------|
| a) Rolling | <input type="checkbox"/> | b) Sliding | <input type="checkbox"/> |
| c) Moves from rest | <input type="checkbox"/> | d) None | <input type="checkbox"/> |

ii) Rolling friction comes to play when the object is.

- | | | | |
|------------------|--------------------------|-----------------|--------------------------|
| a) Rolling | <input type="checkbox"/> | b) Sliding | <input type="checkbox"/> |
| c) Comes to rest | <input type="checkbox"/> | d) all of these | <input type="checkbox"/> |

- iii) In many machines, friction is reduced by using :
- a) Ball-Bearing ☐ b) Lubricants ☐
 c) Both a & b ☐ d) None ☐
- iv) A ball is rolling in north direction, in which direction, does the frictional force act.
- a) North ☐ b) South ☐
 c) East ☐ d) West ☐

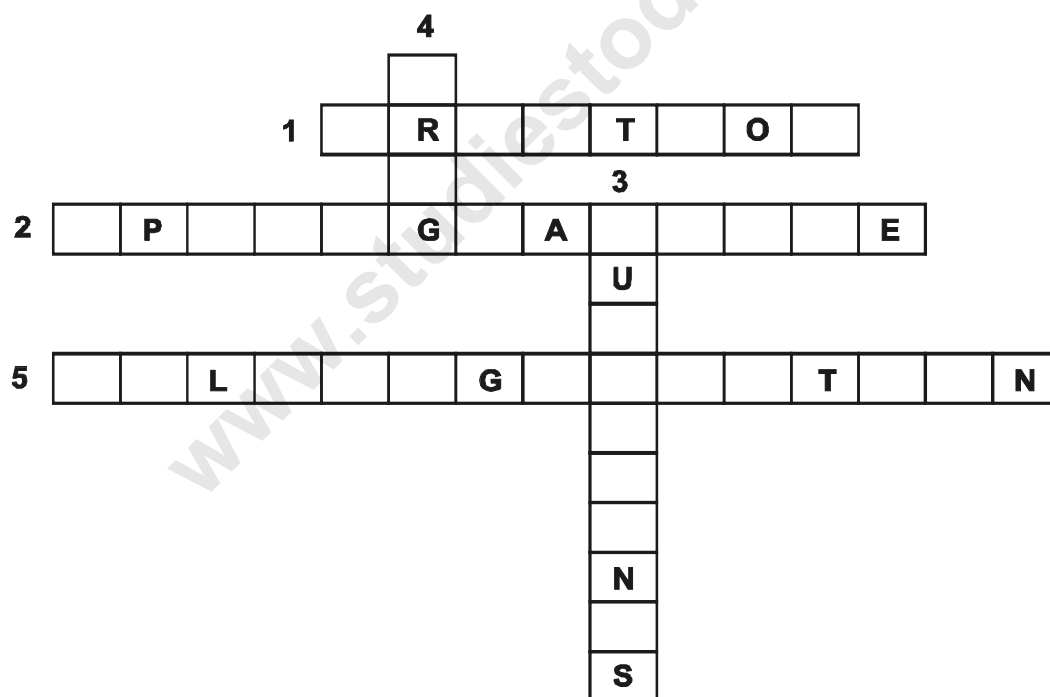
5. Sometimes, force of friction is desirable, give three examples.

i)

ii)

iii)

6. Cross-Word puzzle :-



Hints

- i) Force which opposes motion
 ii) The device used to measure the force acting on an object.
 iii) The substances which reduce friction.
 iv) The resistance to friction when a body rolls over the surface of another body.
 v) The frictional force exerted by fluids.