

## Science – Resultant force and friction.

**Question 1:** The underlined words are incorrect. Write the correct words in the boxes.

a. Gravity is the force that acts in the opposite direction of the movement.

b. Friction will speed up moving objects.

c. The heavier the object is, the smaller the friction acting on it.

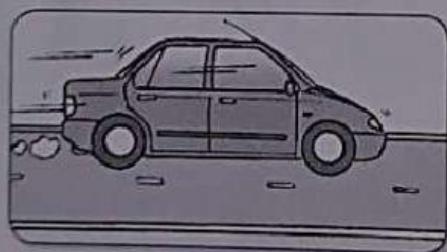
d. A ball will roll faster on a carpeted floor than on a bare floor.

e. The rougher the two surfaces in contact, the lesser will the friction be between them.

f. Friction produces unnecessary light and noise.

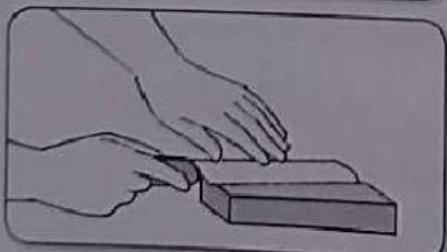
**Question 2:** What are the advantages of friction? Look at the pictures and fill in the blanks.

a.



Friction allows things to move \_\_\_\_\_.

b.



Friction sharpens and smoothens \_\_\_\_\_.

c.



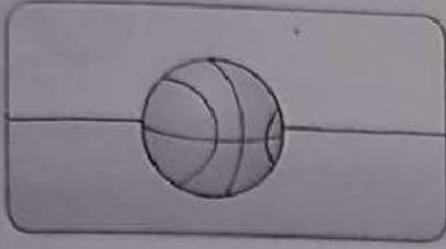
Friction allows us to \_\_\_\_\_ objects.

d.



Friction gives out \_\_\_\_\_.

e.



Friction allows objects to \_\_\_\_\_.

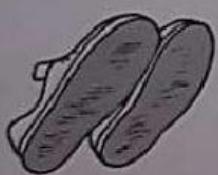
f.



Friction stops \_\_\_\_\_.

**Question 3:** Fill in the blanks to show the disadvantages of friction.

a.



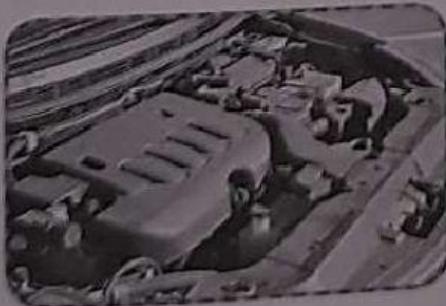
Friction \_\_\_\_\_ surfaces in contact.

b.



Friction \_\_\_\_\_ moving things.

c.



Friction gives out unnecessary \_\_\_\_\_ and \_\_\_\_\_.