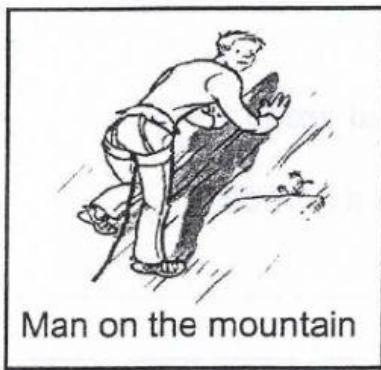
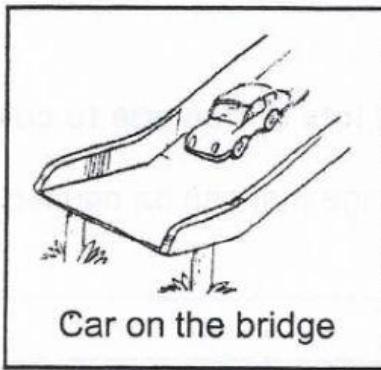


5. FRICTION

The activities below demonstrate friction occurring on several surfaces.



Man on the mountain



Car on the bridge



Wagon on the grass

(x)

(y)

(z)

(a) Examine the pictures above then state how friction is taking place in each one.

Picture (x) _____ [1]

Picture (y) _____ [1]

Picture (z) _____ [1]

(b) Define the term 'friction'.

[2]

[GO ON]

(c). Joy and Kyle love to ride their bicycles.



What will happen if they don't lubricate their bicycles regularly with oil?

[1]

(d). 'The roads are covered with oil because of a terrible accident.'

(i) Explain why the roads described above would be difficult for cars to drive on?

[2]

(ii) Would the roads be easier to drive on if they were covered with gravel or sand? Explain your answer.

[2]

TOTAL MARKS [10]

[GO ON]