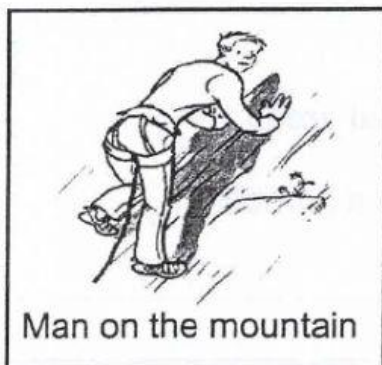


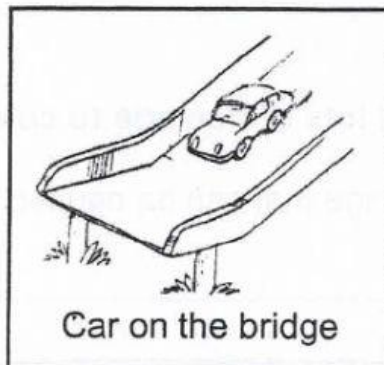
5. FRICTION

The activities below demonstrate friction occurring on several surfaces.



Man on the mountain

(x)



Car on the bridge

(y)



Wagon on the grass

(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]