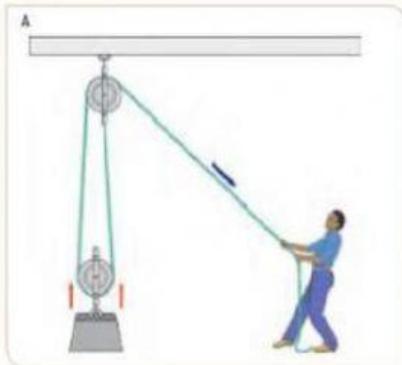
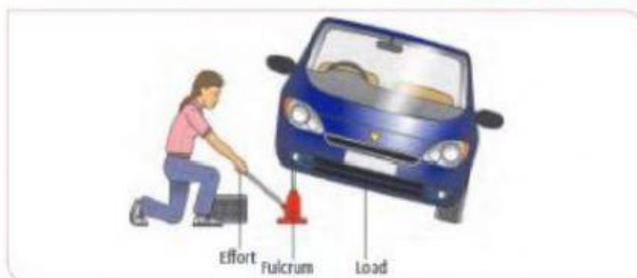


## Integrated systems: mechanical, electrical and other

- 3 Illustrations A and B below show two ways in which pulleys can be used to lift a load. Choose the correct answer to describe the functions of the two systems.



- a System A will lift the load with less effort than system B.
- b System A will lift the load with more effort than system B.
- c System A and B will use the same amount of effort to lift the load.
- 4 For many years, mining companies extracted ore without considering environmental issues. Suggest one way in which the further dumping of acid mine drainage into the streams can be prevented.
- 5 Machines can use other kinds of systems to operate. What kind of system is used in this picture to lift the car?



## Answers

3a

b.

c.

4.

5.

