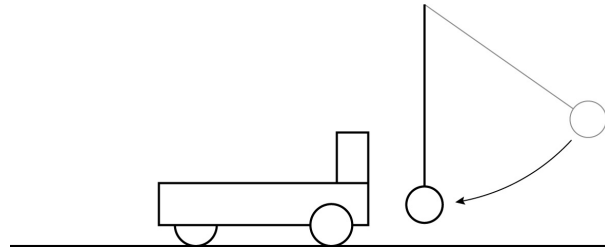

Stored energy



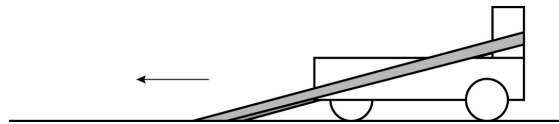
Swing the pendulum to make the trolley move along the bench.

1 How did the pendulum gain gravitational potential energy?

2 How did the trolley gain kinetic energy?

3 How could you increase the gravitational energy stored in the pendulum?

4 Write down different ways you could use a pendulum to make the trolley travel twice as far.



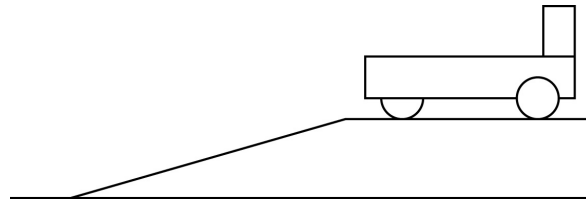
Use the elastic band to make a trolley move along the bench.

5 How did the elastic band gain elastic potential energy?

6 How did the trolley gain kinetic energy?

7 How could you increase the elastic potential energy stored in the elastic band?

8 Describe how you could use other elastic objects to make the trolley travel along the bench.



Use the ramp to make a trolley move along the bench.

9 How did the trolley gain gravitational potential energy?

10 How did the trolley gain kinetic energy?

11 How could you increase the energy stored in the trolley?

12 Describe how we use other forms of stored energy to make life-size vehicles travel.
