

- 8** A mass is attached to the end of a spring which obeys Hooke's law.

When a load of 3.0 N is placed on the spring, the spring is extended by 0.030 m.

What additional elastic potential energy will be stored in the spring if it is then extended a further 0.010 m?

A 0.0050 J

B 0.030 J

C 0.035 J

D 0.080 J

