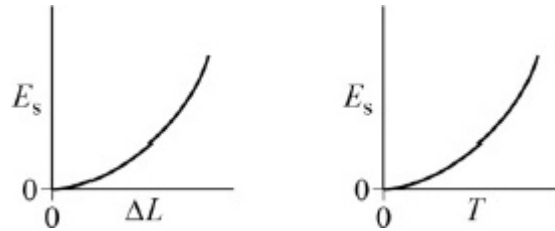


Mark schemes

Q1.

D



[1]

Q2.

B

A brittle fracture occurs after little or no plastic deformation.

[1]

Q3.

C

$$3E$$

[1]

Q4.

C

$$\frac{k(\Delta L)^2}{2t}$$

[1]

Q5.

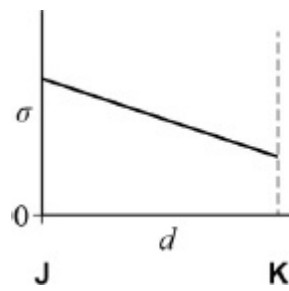
D

$$1.5 \times 10^{11} \text{ Pa}$$

[1]

Q6.

D



[1]

Q7.

C

[1]

Q8.

A

[1]

Q9.

C

[1]

Q10.

D

[1]

Q11.

C

[1]