

- 6 Buildings in earthquake zones often have a structure that includes ductile materials. These materials help to damp oscillations of the building during an earthquake.

Which of the following describes a ductile material?

- ☐ A A material that behaves elastically under tension.
- ☐ B A material that has a large plastic deformation before it breaks.
- ☐ C A material that has a large value of breaking stress.
- ☐ D A material that has a large value of the Young modulus.

(Total for Question 6 = 1 mark)