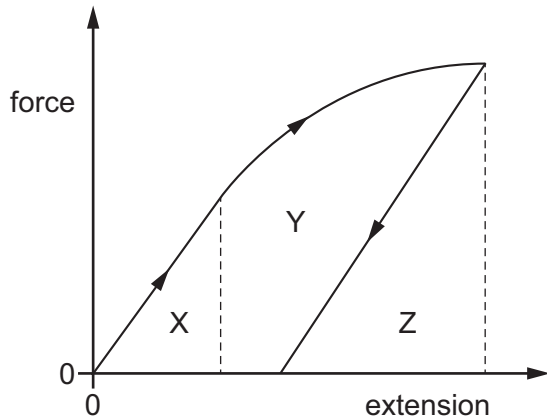


- 20** A sample of material is stretched by a tensile force to a point beyond its elastic limit. The tensile force is then reduced to zero. The force–extension graph is shown.



Which area represents the net work done on the sample?

- A** X **B** X + Y **C** Y + Z **D** Z

- 21** A spring is fixed to a wall and a load is attached to the other end. The spring is stretched by a force F to an extension x . The work done on the spring is W .