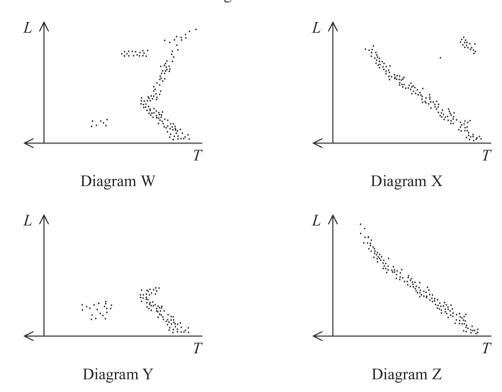
8 The Hertzsprung-Russell diagrams W, X, Y and Z below show a star cluster at various times when the star cluster is in different stages of evolution.



Which of the diagrams represents the cluster in the final stage of evolution?

- A W, as there are white dwarf stars and red giants in the cluster.
- **B** X, as there are red giants and no white dwarf stars in the cluster.
- C Y, as there are white dwarf stars but no red giants in the cluster.
- D Z, as all the stars in the cluster are in the main sequence.