**7*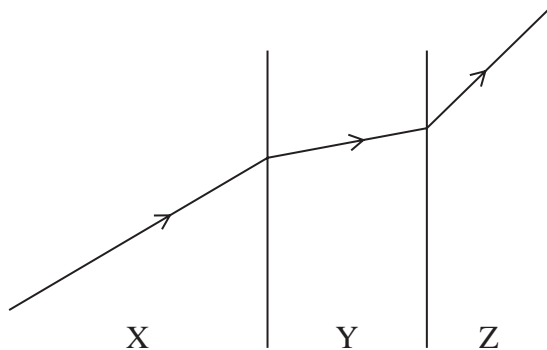* The diagram shows a ray of light passing from medium X to medium Y to medium Z. The speed of light in medium X is v_X, the speed of light in medium Y is v_Y and the speed of light in medium Z is v_Z.

Which of the following shows the speeds in order of increasing magnitude?

☒ **A** v_Y v_X v_Z

☒ **B** v_Z v_X v_Y

☒ **C** v_X v_Y v_Z

☒ **D** v_Y v_Z v_X

(Total for Question 7 = 1 mark)