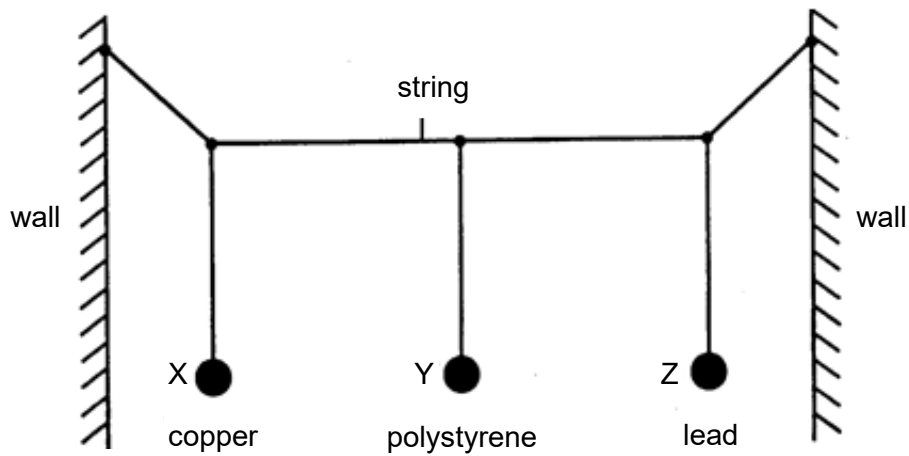


- 15 The diagram shows two simple pendulum X and Y having the same lengths and same bob sizes and a simple pendulum Z whose length can be varied.



The pendulums X and Y will oscillate after the pendulum Z is set into oscillations in a plane parallel to the wall.

Which graph best shows the variation of the amplitude a for the pendulums X and Y with frequency f of the pendulum Z when the length of Z is varied?

