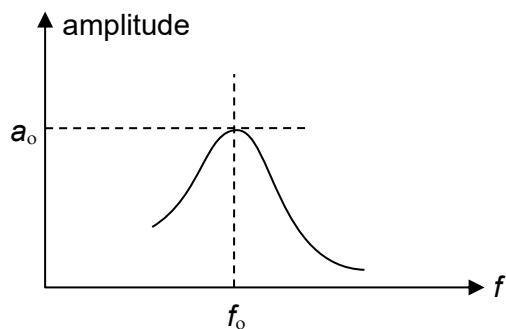
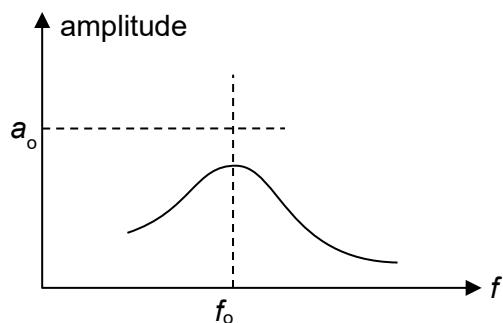
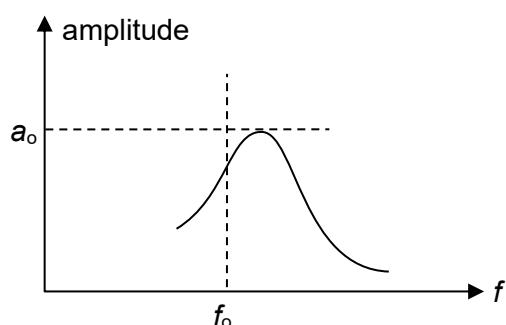


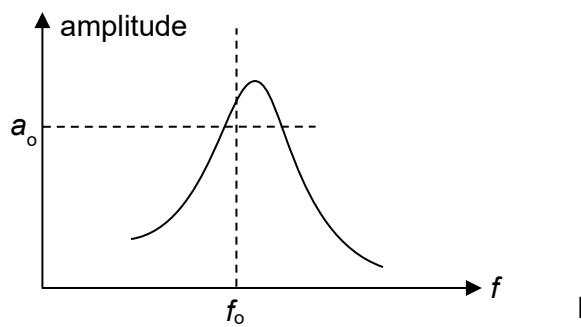
A pendulum is constructed from a fixed length of light thread and a spherical, polystyrene bob of low density. It is forced to oscillate in air at different frequencies f . The following diagram shows how the amplitude of its oscillation varies with f .



If the experiment is repeated in a partial vacuum, which graph best represents the variation with f of the amplitude?

A**B**

C



D

