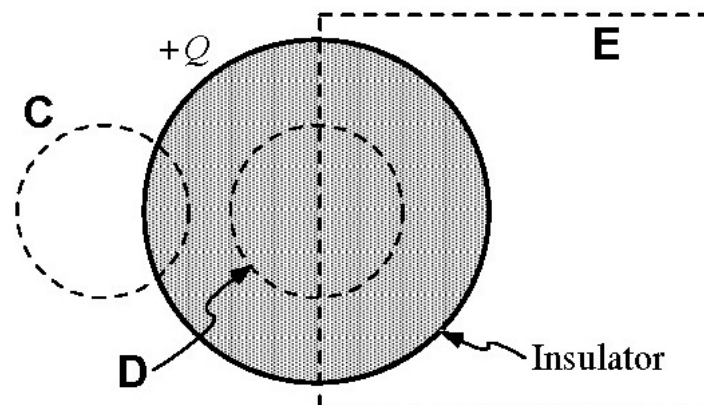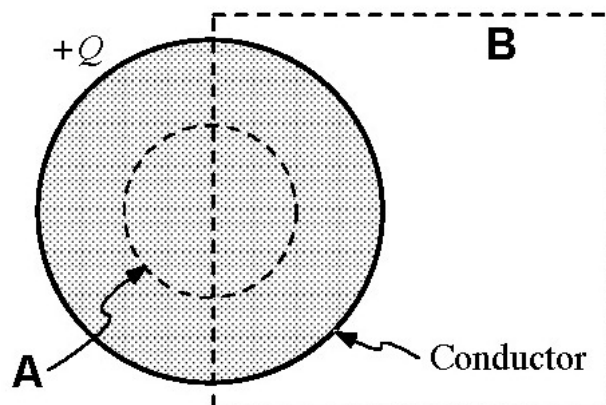## ET9-RT3: INSULATOR AND CONDUCTOR—ELECTRIC FLUX

The figures below show cross-sections of spherical or cubical Gaussian surfaces that intersect solid charged spheres. The total charge $+Q$ is the same for the conducting sphere on the left and the uniformly charged insulating sphere on the right. The radii of surfaces A, C, and D are half that of the conducting and insulating spheres.

Rank the total electric flux through the surfaces labeled A-E.