Caption:   
Growth on Lophenol Induces the Accumulation of DAF-16 in the Nuclei of Neurons in a DAF-12–Dependent Manner(A) When grown on cholesterol, the transgenic line DAF-16a::GFP/bKO displays a diffuse staining in the cytoplasm and nuclei of many cells (only the pharynx region of an L3 larva is shown).(B) Staining of a larva of similar age by Hoechst. Note many nuclei in the pharynx.(C) The DAF-16a::GFP/bKO line grown on lophenol shows strong staining of nuclei in neurons of the pharynx, tail, and ventral cord of a dauer larva.(D) An L3 larva of DAF-16a::GFP/bKO in a daf-12 null background grown on lophenol. Note the diffuse fluorescence in the pharynx cell similar to that shown in (A).

Question: What is the effect of growing DAF-16a::GFP/bKO in a daf-12 null background on lophenol?   
   
A:Diffuse fluorescence in the pharynx cell only   
B:No fluorescence observed   
C:Strong staining of nuclei in neurons of the pharynx, tail, and ventral cord of a dauer larva.   
D:Diffuse fluorescence in the cytoplasm only.

Answer: A: Diffuse fluorescence in the pharynx cell only.