16.5 Initially, the char spheres are uncharged, but charges can move, as indicated in Fig 16.9. Giving:

\[ \begin{array}{c}
+ \quad 0 \\
\end{array} \]

The charge on the spheres will remain as they are separated:

\[ \begin{array}{c}
+ \quad 0 \\
\end{array} \]

When the rod is removed, the charge cannot rejoin (we'll discuss why in class). So we're left with:

\[ \begin{array}{c}
\quad 0 \\
\end{array} \]

- So answer the question....