Preflight 24.1

$$r_n = (\frac{h}{2\pi})^2 \frac{1}{mke^2} \frac{n^2}{Z} = (0.0529 nm)\frac{n^2}{Z}$$

Bohr radius

If the electron in the hydrogen atom was 207 times heavier (a muon), the Bohr radius would be

1) 207 Times Larger

2) Same Size

3) 207 Times Smaller