

- 16** An empty glass beaker has a mass of 103 g. When filled with water, it has a total mass of 361 g. When filled with cooking oil, it has a total mass of 351 g.

The density of water is 1.00 g cm^{-3} .

What is the density of the cooking oil?

- A** 0.961 g cm^{-3} **B** 0.972 g cm^{-3} **C** 1.03 g cm^{-3} **D** 1.04 g cm^{-3}