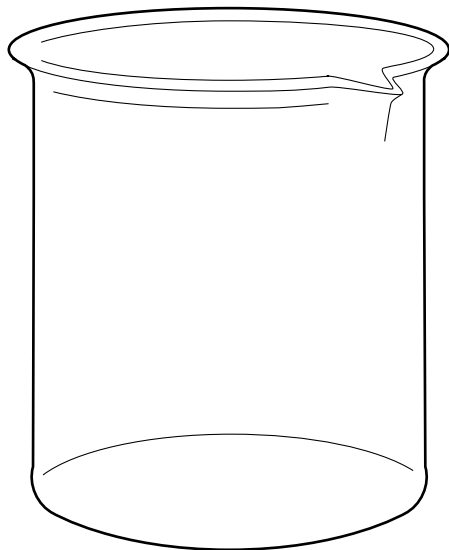


Use with textbook pages 260–265.

## Dense, denser, densest

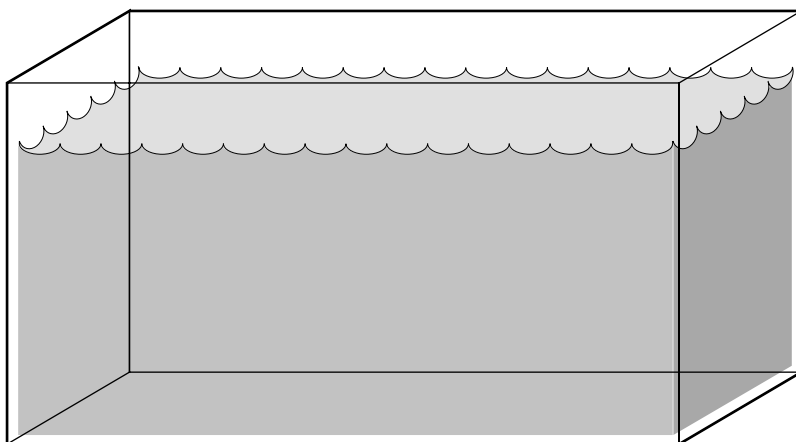
Complete and label the diagrams according to the instructions below.

1. The table below lists the densities of five different fluids. If the fluids were added to a beaker, how would they be layered? Draw and label the layers in the beaker below.



Substance	Density (g/mL)
gasoline	0.69
glycerol	1.26
corn syrup	1.40
vegetable oil	0.92
rubbing alcohol	0.79

2. Water has a density of 1.00 g/mL. Draw and label each of the following objects in the tank of water. Show whether they will sink or float.



Object	Density
cork	0.24 g/cm <sup>3</sup>
ice	0.92 g/cm <sup>3</sup>
gold ring	19.32 g/cm <sup>3</sup>
block of wood	0.66 g/cm <sup>3</sup>
marble	2.5 g/cm <sup>3</sup>