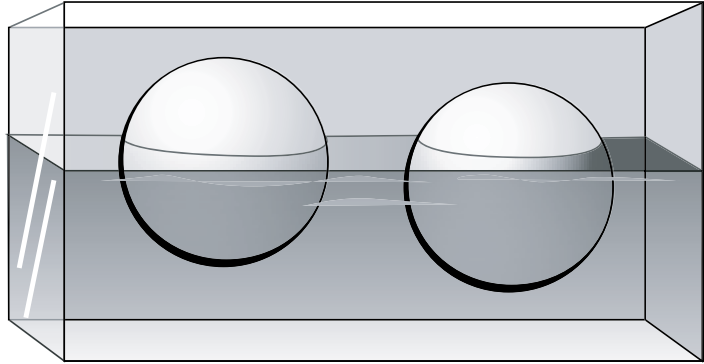


Floating High and Low

Sam put a solid ball in a tank of water. As shown by the ball on the left, it floated halfway above and halfway below the water level. What can Sam do to make a ball float like the ball on the right? Put an X next to all the things Sam can do to have a solid ball float so that most of it is below the water level.



- A.** Use a larger ball made out of the same material.
- B.** Use a smaller ball made out of the same material.
- C.** Use a ball of the same size made out of a denser material.
- D.** Use a ball of the same size made out of less dense material.
- E.** Add more water to the tank so it is deeper.
- F.** Add salt to the water.
- G.** Attach a weight to the ball.

Explain your thinking. Describe the “rule” or reasoning you used to determine how to change how an object floats in water.
