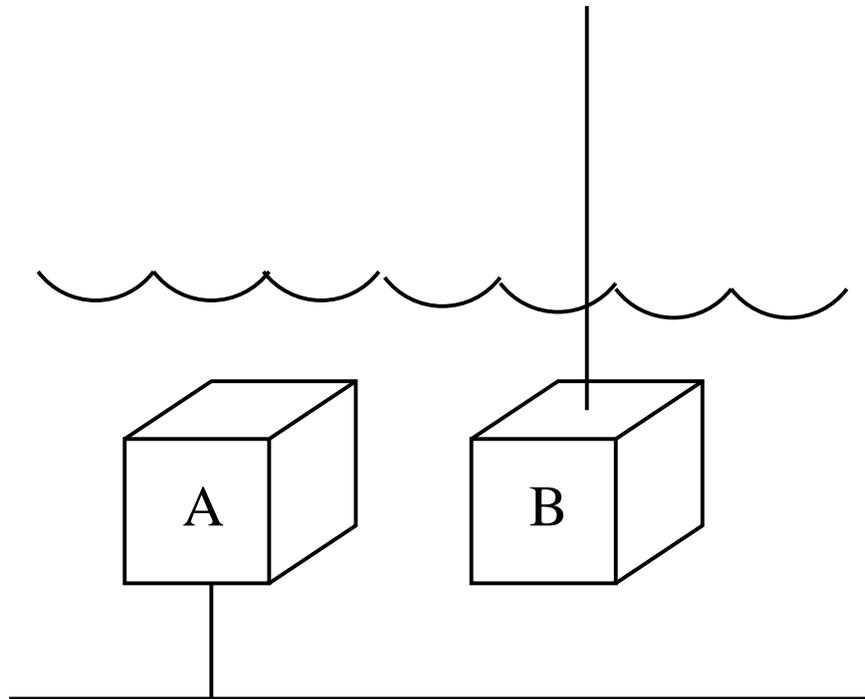


Two blocks of exactly the same size and shape are made of different materials:

Block A is plastic (density 900 kg/m^3)

Block B is aluminum (density 2700 kg/m^3)



Both blocks are placed/held under water. How does the buoyancy force on Block A compare to that on Block B?

1. The buoyancy force on block A is **LARGER** than the buoyancy force on block B.
2. The buoyancy force on block A is **SMALLER** than the buoyancy force on block B.
3. The buoyancy force on block A is **THE SAME** as the buoyancy force on block B.