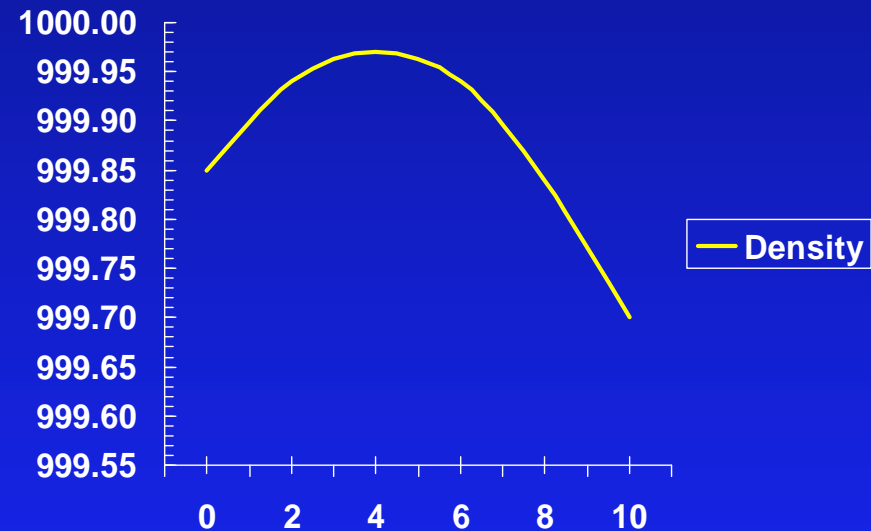


# Swimming Preflight

Not being a great athlete, and having lots of money to spend, Gill Bates decides to keep the lake in his back yard at the exact temperature which will maximize the buoyant force on him when he swims. Which of the following would be the best choice?

- A. 0 C
- B. 4 C ← CORRECT (62 %)
- C. 32 C
- D. 100 C
- E. 212 C

$$F_B = \rho_l V g$$



water has maximum density at 4C and buoyant force is directly proportional to density