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Name \_\_\_\_\_

A new ship displaces 1000.0 tons of salt water when it is in the ocean. Salt water has a density of  $1030 \text{ kg/m}^3$  and fresh water has a density of  $1000 \text{ kg/m}^3$ . How many tons of fresh water will this ship displace when it is in the fresh water lake called Lake Erie? Also justify your answer.