

Name: \_\_\_\_\_

Instructor: \_\_\_\_\_

1. (13 pts.) A tank has pure water flowing into it at 10 L/min. The contents of the tank are kept thoroughly mixed, and the contents flow out at 10 L/min. Initially, the tank contains 10 kg of salt in 100 L of water.  
How much salt will there be in the tank after 30 minutes?