Question title: Mass and Volume	
Conservation of Mass and Conservation of Volume differ substantially when a fluid is:	
1. compressible (density changes a lot).	
2. adiabatic (conserves energy).	
3. isenstropic (conserves entropy).	
4. granular.	
O 5. viscous.	
Question title: Budgets	
A budget is an accounting of what goes in and what goes out. The difference leads to a change in the content of whatever is doing the going in and out.	
O True O False	
Question title: Evaporation Precipitation	
Evaporation, precipitation and runoff affect only the total water content ("freshwater") and not the salt.	ıe
O True O False	
Question title: What to Conserve	
Emery et al. chp 5 discusses primarily conservation of	
1. Heat Energy	
2. Freshwater	
3. Oxygen	
4. Biomass	
5. Entropy	
Question title: Material Lagrangian	
The Lagrangian, or Material, approach budgets for changes to a specified moving quantity of material.	
O True O False	
Question title: Eulerian	
The Eulerian, or Control Volume, approach budgets for changes to a specified moving quantity of material.	
O True O False	

Question title: Conservation by Eulerian and Lagrangian methods
Eulerian (control volume) and Lagrangian (control mass) methods are equally valid, but differ in their application, equations, and interpretation.
O True O False
Question title: The Equation of State
The equation of state is the same for air and water.
O True O False
Question title: Nondimensional Equations
Every equation of physical importance should be independent of the scientist's choice of units.
O True O False