Derived Units- Show all your work.

1. A substance has a density of 3.5 g/cm3. Convert into the following units.
   1. Kg/cm3
   2. mg/m3
   3. g/km3
   4. dg/mm3
2. If a car gets 34 km/L convert that to m/ml
3. If a car is 9.8 m/s how many km/h is it going?