CE 111
MT #1
Answers

1. 960 g m-3
2. diameter (or volume)
3. viscosity & density
4. $C_6H_{12}O_6 \rightarrow 3\ CO_2 + 3\ CH_4$
5. Some carbon atoms are reduced from 0 to -4 (in methane) while others are oxidized from 0 to +4 (in CO_2)
6. 51%
7. Material balance and Henry's law
8. pH will decrease. Creation of new CO_2 leads to formation of carbonic acid, some of which dissociates, releasing H+.
9. 1.4 atm