2000 CHEM1405 (Vet. Science)

2000-J-2

- $MnSO_4(s) \rightarrow Mn^{2+}(aq) + SO_4^{2-}(aq)$ $Li_2CO_3(s) \rightarrow 2Li^+(aq) + CO_3^{2-}(aq)$
- 227.2 kJ mol⁻¹
- A colloid with particles of solid or liquid dispersed in gas.
 Particle size 1-500 nm diameter between solution and mixture in which particles can be seen Aerosol will scatter light (Tyndall effect).
 Particles do not settle out but remain distributed - undergo Brownian motion.
- 7

2000-J-3

- 8.0×10^4
- 1.58

Buffer capacity is the amount of acid or base that can be added to the buffer before a significant change in pH occurs. The acid/base ratio should be within 1:10 (or 10:1) for buffer to be effective, so buffers near these extremes may be OK for buffering against addition of acid but not base (or *vice versa*). The actual amounts of the acid and conjugate base are directly related to the buffer capacity.

2000-J-4

0.116 hour⁻¹
 15.8 μg

2000-J-5

•

Zn	/	H^+

2-butanone

(E)-2-butene

 $C = CH_2$







CHá

furanose
 β-anomer
 3



2000-J-7

• amine, carboxylic acid, amide, aromatic ring (arene), ester

