

#2 The answers are contained within #1

#3

- a) No; there are no changes in oxidation number
- b) No; there are no changes in oxidation number; this is an acid-base neutralization with a transfer of protons, not electrons.
- c) Yes, P is oxidized from -3 to +1; Cl is reduced from 0 to -1
- d) No; each oxygen is an oxidation state of zero