

## **CAUSES OF ACID-BASE IMBALANCE (handout)**

**Would cause....**

**hyperventilation due to emotions**

**excessive vomiting of stomach contents**

**excessive ingestion of sodium bicarb  
(antacids)**

**aspirin overdose**

**COPD late stages**

**uncontrolled diabetes mellitus (DKA)**

**partial heart failure;  
CO↓, BP↓, tissue perfusion↓**

**alcohol or narcotics overdose  
causing hypoventilation**

**kidney failure due to antifreeze poisoning**

**diuretics that deplete  $K^+$  and water from ECF  
(also depletes  $H^+$ )**

**severe diarrhea**