

OVERVIEW OF CIRCULATORY SYSTEM FUNCTION

1) HOMEOSTASIS - MAINTAIN CONSTANT INTERNAL ENVIRONMENT

a. ADJUST TO ENVIRONMENTAL CHANGE

① HEAT REGULATION

② WASTE ELIMINATION

③ GAS EXCHANGE = RESPIRATION

2) TRENDS IN VERTEBRATE CIRCULATION

a. DERIVED VERTEBRATES ↑ METABOLISM

b. CIRCULATORY SYSTEM ↑ O₂ DELIVERY TO MEET METABOLIC DEMANDS