

GLVWULEXWLRQ RI FKHPLFDO YDULDEOHV LQ WKH VHD 7KLV FRXUVH FR
IRFXVHV RQ RFHDQRJUDSKLF DSSOLFDWLRQV WKDW ZLOO DVVLVW VWXO
PDMRU DQG PLQRU FRQVWLWXHQWV RI VHD ZDWHU FRQWUROV RQ WKH
IOX[HV DQG GLDJHQHVLV JDV H[FKDQJH DQG WKH F\FOLQJ RI GLVVROY
LQIOXHGFH RI WKH RFHDQV RQ DWPRVSKHOULF \$FRGLSRULWLQWLQV RQ RQ EOX PLO
WR VWXGHQW V QHHGV FKHPLFDO WUDFHUV UHGR[FKHPLVWU\ K\GUR
PHWKRGV VWDEOH LVRWRSH VWXGLHV &KHPLFDO RFHDQRJUDSK\ LV DO
QHFHVVDU\ WR XQGHUVWDQG WKH RFHDQ

&RXUVH 7KLV RFHDQ LV FHQWUDO WR WKH FOLPDWH V\VWHP DQG WKH QD
FRXUVH LV WR SURYLGH RFHDQ OLWHUDF\ WKDW ZLOO HQDEOH XQGHUV
ELRJHRFKHPLFDO F\FOLQJ RI HOHPHQWV \$GGLWLRQDO JRDOV LQFOXGH
LPSURYHPHQW RI ZULWWHQ DQG RUDO VFLHQFH FRPPXQLFDWLRQ VNLOO

- FKHPLFDO VSHFLHV ZLWKLQ WKH ZRUOG V RFHDQV
- x ,QWHJUDWH FRQFHSWV RI SK\VLFDO ELRORJLFDO DQG FKHPLFDO SU
 - FKHPLFDO F\FOLQJ LQ WKH RFHDQ SDUWLFXODUO\ WKH FDUERQ F\F
 - x 8VH FKHPLFDO GLVWULEXWLRQV WR LQIHU LQIRUPDWLRQ DERXW SK
 - x 8QGHUVWDQG WKH NH\ FKHPLFDO SURFHVVHV DQG IDFWRUV WKDW L
- JOREDO HQYLURQPHQWDO FKDQJH

([SHFWHG SUHSDUDWBOHQHJUDGHFRXUVH UHH LQ VFLHQFH RU D EDFN
XQGHUJUDGXDWH FRXUVHV LV QHFHVVDU\ &RPSHWQFH LQ DOJHEUD L
HTXDWLRQV DUH XVHIXO IRU VRPH WRSLFV EXW DUH QRW UHTXLUHG 20
OHYHO DUH QHFHVVDU\ RUJDQLF FKHPLVWU\ LQRUJDQLF FKHPLVWU\ D

SUHVHQWDERQ RDUG ZLOO EH XVHG WR GLVWULEXWH FODVV LQIRUPDW

1RW7KLV LV D VWDFNHG OHYHO FRXUVH 7KH PDWHULDO FRYHUHG
WKH JUDGLQJ ZLOO GLIIHU *UDGXDWH VWXGHQWV ZLOO KDYH WR DQVZH
H[DPV DQG ZLOO EH H[SHFWHG WR OHDG FODVV GLVFXVVLQJ DW D KLJ
JUDGXDWH VWXGHQWV ZLOO DOVR EH JUDGHG PRUH FULWLFDOO\ FRPSDU

&RXUVH &RPSRQHQWV *UDGLQJ

&ODVV 3DUWLFLSDWLRQ ! \$
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*UDGHV IRU HDFK FDWHJRU\ ZLOO EH ZHLJKWHG DV VKRZQ DEFRYHU
ZLOO EH QR H[WUD FUHGLW DVVLJQPHQWV <RXU RYHUDOOIUDGHJUDGG
DUH DVVLJQH 2QO\ ZKROH OHWWHU JUDGHV ZLOO EH DVVLJQH QR S

7H[WPHUVRQ DQG **Chemical Oceanography and the Marine Carbon**
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\$VVLJQH UHGLQJV IURP RWKHU WH[WV DUWLFOHV ZLOO EH SURYLGH
\$GGLWLRQDO WH[WV \RX PLJKW ILQG XVHIXO

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