

Name: _____ Date: _____ Period: _____

moon phases, tides, and seasons

X B I Y C Y B Q M S X S P R I N G T I D E M J Y
T N E C S E R C G N I N A W E P C W A L V D I V
O C N C Q D Q E E X D B T W V C C H F R Q L G J
R O C P F I R S T Q U A R T E R N Y Q J Y Z T E
G W G K G H D A M S Z A M K E D V Q A N Z H X X
D I K R M B L P L S U O B I G G N I N A W A B L
P S M M M F U Q M E F V F M U E I S R D F U C C
E T C O W M O A Z Z D X S P R I N G T F K C D N
S C Q O P B V W T G K J B X P J S V B H F E K C
V A U N X X W Y F I N F S M P N Z E A R T H E A
P G S D M W A X I N G G I B O U S E V X V K M U
F L Q A U D V M U G S R E T R A U Q D R I H T W
U I P N F H B V Z P P I F Z H I A U T U M N A S
L R Y O A F S N G W M E S L U T V U D U C Z C U
L N W Q R W B U O J O U E F N U Z O X O D R U M
M G K S V I F S E N D G D Q S Q F H U X H P U M
O N N O T N N D H F K Y I K S E G J N S U L B E
O B U X T T K N X A M T T N O O M W E N E Q R R
N V K W K E T G W L E Z W T F H Q H A P K J J T
J M C L J R Z F B F M E D A O Q X G P Z S P H R
W L G K P Z Z R F D T V T A N C D H T O L M D I
L X I V L Z U N T N Z O D O Y R N S I N A L X X
L K T N T N E C S E R C G N I X A W D B T S I Q
D D U C U V Q U B V K G K I Z V U J E Z S K E P

waning crescent	waxing crescent	third quarter	waning gibbous
waxing gibbous	first quarter	spring tide	full moon
neap tide	new moon	autumn	winter
spring	summer	tides	earth
moon	sun		