

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Ch 3 and 4 - Water and Carbon

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

- |                      |                     |                     |                    |                   |
|----------------------|---------------------|---------------------|--------------------|-------------------|
| Heat of vaporization | ocean acidification | Evaporative cooling | Structural isomers | Organic chemistry |
| Aqueous solution     | Hydration shell     | Surface tension     | Thermal energy     | Kinetic energy    |
| Polar molecule       | Hydroxide ion       | Hydronium ion       | Specific heat      | Transpiration     |
| Hydrogen ion         | Hydrocarbon         | Hydrophobic         | Hydrophilic        | Kilocalorie       |
| Temperature          | Aldehyde            | pH scale            | Molarity           | Solution          |
| Adhesion             | Cohesion            | Alcohol             | Organic            | Solvent           |
| Calorie              | Isomer              | Buffer              | Solute             | Base              |
| Acid                 | Mole                | Heat                | pH                 |                   |