



Compare the following function groups

Functional Group	Structural drawing	Formula	How it makes a compound behave	(your choice NOT example)
Hydroxyl				
Aldehyde				
Ketone				
Carboxyl				
Amino				
Sulfhydryl				
Phosphate				

“A week in the life of...” write an illustrated journal (with at least 7 dated entries) from the perspective of a water molecule, carbon compound **or** nitrogen compound as it cycles from the environment through the organism and back to the environment.

Use (and highlight with a marker) **at least two** words (or their derivative) from the word bank below, in **each** of your entries. Make sure they are used in a way that demonstrates their meaning.

Dehydration synthesis	nitrogen fixation
Hydrolysis	hydro-carbons
Hydrogen bonds	Gibbs Free Energy
pH	Exothermic/ectogonic
buffer	Endothermic/endogonic
disassociation	Anabolic reaction
osmosis	Catabolic reaction
hypertonic	Kreb’s cycle
hypotonic	Enzyme
isotonic	Substrate
diffuse/diffusion	Catalyze
carbon fixation	Covalent bond