Rubric

❏ Hypothesis​ ​2​ ​is​ ​present​ ​(water​ ​quality)​ ​and​ ​includes​ ​a​ ​justification.​ ​(1​ ​pt)

Data Pages with work written on it ( calculations) 4 pts

Graph-10

❏ A​ ​graph​ ​is​ ​present​ ​for​ ​hypothesis​ ​2​ ​that​ ​shows​ ​water​ ​quality​ ​based​ ​on​ ​species​ ​present​ ​and/or​ ​index​ ​value​ with name printed on the title like practiced in class ​(5 points)

❏ Graph​ ​has​ ​a​ ​number​ ​and​ ​a​ ​descriptive​ ​title​ ​that​ ​includes​ ​both​ ​variables​ ​(2​ ​pts)

❏ Graph​ ​includes​ ​appropriate​ ​scales,​ ​axes​ ​labels​ ​and​ ​units​ ​(1​ ​pt)

❏ The​ ​graph​ ​for​ ​hypothesis​ ​2​ ​is​ ​appropriate​ ​for​ ​the​ ​type​ ​of​ ​data​ ​gathered​ ​(1​ ​pt)

❏ The​ ​graph​ ​for​ ​hypothesis​ ​2​ ​includes​ ​written​ ​analysis​ ​for​ ​information​ ​not​ ​clearly​ ​expressed​ ​on​ ​the​ ​graph.​ ​(1​ ​pt)

Questions ​13 pts

​ 6 ❏ States​ ​if​ ​they​ ​support​ ​or​ ​reject​ ​second​ ​hypothesis​ ​(1​ ​pt)

❏ Uses​ ​data​ ​in​ ​numbers​ ​to​ ​support​ ​the​ ​hypothesis​ ​(1​ ​pt)

❏ Cites​ ​a​ ​graph​ ​or​ ​index​ ​value​ ​from​ ​results​ ​(1​ ​pt)

Question ​7 ❏ States​ ​water​ ​quality​ ​data​ ​(numbers)​ ​(1​ ​pt)

❏ Biotic​ ​reasons​ ​stated​ ​and​ ​are​ ​logical​ ​to​ ​support​ ​conclusions​ ​on​ ​water​ ​quality​ ​(1​ ​pt)

❏ Abiotic​ ​reasons​ ​stated​ ​and​ ​are​ ​logical​ ​to​ ​support​ ​conclusions​ ​on​ ​water​ ​quality​ ​(1​ ​pt)

❏ Biotic​ ​and​ ​abiotic​ ​reasons​ ​are​ ​correctly​ ​identified​ ​(1​ ​pt)

Question ​8 ❏ More​ ​than​ ​2​ ​errors​ ​are​ ​stated​ ​which​ ​could​ ​have​ ​impacted​ ​the​ ​data​ ​(2​ ​pts)

❏ Errors​ ​stated​ ​are​ ​logical/realistic​ ​and​ ​applicable​ ​(1​ ​pt)

Question ​9 ❏ 2​ ​new​ ​questions​ ​are​ ​asked​ ​that​ ​are​ ​related​ ​to​ ​this​ ​lab​ ​(2​ ​pts)

❏ Questions​ ​are​ ​logical​ ​and​ ​scientifically​ ​testable​ ​(1​ ​pt)

Total 33 pts