

Name: Marcie Hall Period: 3 Date: 5/1/23



### Note-Taking Guide (CER)

Activity Title: Aquatic Ecosystems- Developing

| Activity Scoreboard                          |   |   |   |   |   |
|----------------------------------------------|---|---|---|---|---|
| when finished, circle highest score achieved |   |   |   |   |   |
| Attempt #                                    | 1 | 2 | 3 | 4 | 5 |
| Date                                         |   |   |   |   |   |
| Score                                        |   |   |   |   |   |

|                                                             |
|-------------------------------------------------------------|
| <b>Claim:</b>                                               |
| There are different aquatic systems with diverse organisms. |
|                                                             |
|                                                             |

| Evidence                                                                              | Reasoning/Justification                                                                   |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Aquatic ecosystems have abiotic - temp, light, salinity, depth                        | Different organisms can tolerate different factors                                        |
| Some organisms prefer fresh water vs. saltwater. Bull sharks + manatees tolerate both | Bull sharks and manatees are very different, but tolerate same conditions                 |
| Depth reduces light and increases pressure. Organisms deal with this differently.     | Many types of adaptations exist to survive in these conditions                            |
| The geography of an aquatic environment can determine the life forms present.         | Continental shelf gets lots of light, so there's many living things. Not so in the abyss. |
| Photosynthesis takes place in the neritic zone.                                       | It is the most productive area of the ocean. Plankton are base of food chain.             |
| Metabolism is affected by temp. Many species are cold-blooded.                        | Organisms can migrate or must have adaptations to survive.                                |

# Note Taking Guide Episode 1302 Answers

**Jiyuan Zhang**



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