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| **Cornell Notes** | **Topic/Objective: Catastrophic Events**  | **Name:** |
|  | **Class/Period:** |
|  | **Date: 12/08/15**  |
| **Essential Question: What effects do catastrophic events have on living systems?** |
| **Questions:** | **Notes:** |
|  | An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
|  | with sustained winds of at least \_\_\_\_\_\_\_ mph and a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ . |
|  |  |
|  | Conditions for formation: |
|  | *
 |
|  | *
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|  | Hurricanes produce damaging \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ and storm surges.  |
|  |  |
|  | High winds cause \_\_\_\_\_\_\_\_\_\_\_\_\_ damage, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  |  |
|  | A storm surge is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rise of water generated by a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, |
|  | over and \_\_\_\_\_\_\_\_\_\_\_\_\_ the predicted \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | * causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
 |
|  | * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ islands take the
 |
|  |  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the storm surge. |
|  | * Sediment erosion and deposition often affect:
 |
|  | * \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in lakes, streams, and wetlands change
 |
|  |  ecosystems |
|  | * + EX.
 |
|  | * kills tree species that are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of salt water
 |
|  | * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (e.g. chemicals used to treat crops or solid and liquid
 |
|  |  wastes) are transported into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  |  |
|  | Occur during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_, when rivers \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, when  |
|  | ocean \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ come onshore, when snow \_\_\_\_\_\_\_\_\_\_\_\_ too fast, or when dams  |
|  | or levees \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | \*Most common of all natural hazards. |
|  |  |
| **Questions:** | **Notes:** |
|  | Floods are important in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | * Floods are important in maintaining \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
|  | * Expand habitats for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
 |
|  | Recharge (replenishment) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  |  |
|  | Flood-management practices have affected floodplains and the nature of flooding by: |
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|  |  |
|  | Significant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can lead to more frequent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ if not repaired |
|  | Water pollution happens when: damaged \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ release raw  |
|  | sewage and damaged buildings can be a source of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ materials.  |
|  | Animals during Floods:  |
|  | * forces many wild animals from their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
|  | * domestic animals left without \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
|  | * large amounts of\_\_\_\_\_\_\_\_\_\_\_ water lead to an increase in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
|  |  |
|  | A rotating \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_\_\_\_ reaching from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
|  | to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | * The most violent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can have \_\_\_\_\_\_\_\_\_\_\_\_ up to \_\_\_\_\_\_\_mph.
 |
|  |  |
|  | Trees are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  |
|  | * Open forest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to sunlight
 |
|  | * Fallen trees offer \_\_\_\_\_\_\_\_\_\_\_\_\_\_ for small \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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|  | How does the tornado in a bottle model an actual tornado?  |
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| **Summary:** |
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