



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:
How do Hurricanes affect our Ecosystem?	An intense roaring _____ with sustained winds of at least _____ mph and a _____
	Conditions for formation:
	•
	•
	•
	Hurricanes produce damaging _____ and storm surges.
Wind	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.
Salt Water Invasion!	• _____ in lakes, streams, and wetlands change ecosystems
	○ EX. causes massive _____
How can flooding affect our ecosystem?	• 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 on shore, when snow _____ too fast, or when dams or levees _____.

	*Most common of all natural hazards.
Questions:	Notes:
	Floods are important in _____ habitats and _____ fertility.
	<ul style="list-style-type: none"> • Expand habitats for _____.
	Recharge (replenishment) _____.
What type of impact can floods cause both positively and negatively?	Flood-management practices have affected floodplains and the nature of flooding by:
	<ul style="list-style-type: none"> • _____ drained • Land cleared for _____ • upstream developments that replaces natural _____ with paved asphalt • Construction of _____, _____, _____.
	Destruction of _____ (habitat on banks of river)
	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.
How are animals affected in the ecosystem ?	Animals during Floods:
	<ul style="list-style-type: none"> • forces many wild animals from their _____ • domestic animals left without _____ • large amounts of _____ water lead to an increase in _____.
Runoff and contaminants-	Runoff carries contaminants (e.g. _____ and fertilizers) are carried into the _____ ecosystem.
Tornadoes:	A rotating _____ reaching from a _____ to the _____.
	The most violent tornadoes can have winds up to _____ mph.
	Trees are _____, _____, or _____.
	<ul style="list-style-type: none"> • Open forest _____ to sunlight • Fallen trees offer _____ for small _____ • potential _____ of waste storage or treatment facilities or _____
	plants
	How does the tornado in a bottle model an actual tornado?
Summary:	
