Name	Date	Period
Rabies in North	Carolina	
1. What is Rabies?		
2. How is it spread? Does it require a vector or a carrier?		
3. Is Rabies a viral or bacterial disease? Because of this, how are inf	ected individuals treated?	
 4. Mapping the disease: Materials: 2007 North Carolina County Rabies Data On the map, record the number of rabies cases for In the bottom left corner of the map, create a color case 2-5 cases 6-10 cases 11-15 cases 16-20 cases 21-25 cases 26-30 cases Color each county the appropriate color based on to Using the map, answer the following questions: 5. Do you think the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the data provided is complete (includes ALL cases on the county the case of the county the case of the county the case of the case	each county. r key for the follow ranges: the number of rabies cases in of rabies in North Carolina)? E	2007.
6. Which counties had the greatest number of rabies cases in 2007		
7. Which counties had the smallest number of rabies cases in 2007		
8. Using your color coded map, which region (northeast, southeast etc.) had the highest incidence of rabies?		
9. What could account for the increased incidence of rabies? (popu etc.)	ılation size, % of land develop	oed, weather conditions,
10. Which region had the lowest incidence of rabies?		
11. What could account for the decreased incidence of rabies?		

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13. Oral rabies vaccinations have been developed for vaccinating wild, infused with the vaccine in order to treat these animals without captur areas to prevent the spread of the rabies virus. Which counties should rabies cases?	ing them. Oral baits are placed be using the oral vaccinations	d in undeveloped
14. What potential problems exist with oral vaccination baits?		
15. Bats have been found to carry and spread the rabies virus because a Bats will not eat the oral vaccine bait. What other way could the spread of rabies in the bat population be pre		s to bite animals.
How could bats be given the vaccine without capture?		
What other forms of the vaccine may need to be developed?		