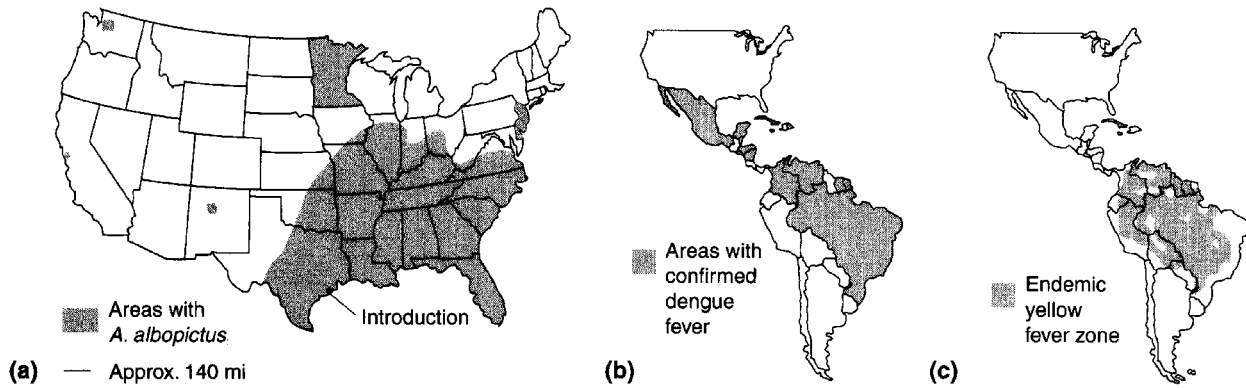


Name _____

Date _____

Vector Borne Diseases



1. Estimate the rate of movement of *A. albopictus* in the United States.
2. Will the northward movement of this mosquito ever stop? Why or why not?
3. How long will it take *A. albopictus* to meet the dengue endemic areas?
4. How long will it take *A. albopictus* to meet the yellow fever endemic areas?
5. How can you account for the discontinuous infestation in Minnesota, Washington, New Mexico, and California?

6. How do you account for the sporadic incidence of encephalitis (Figure 3 at <http://www.smccd.net/accounts/case/biol675/vectors/>)?

7. What is the normal vector for dengue?

8. Dengue is endemic in the tropics. How do you account for the 100 or so cases reported in the United States each year?

9. What could be the potential consequence of introduction of *A. albopictus* in the United States?

10. Suggest methods of controlling the mosquito population.