Resilient Planet: Mission 1

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1. The term for the part of the planet where life can live isA. hydrosphere.B. atmosphere.C. biosphere.D. hemisphere.
2. The study of interactions between living things and their "house", or environment, is called
A. biology. B. ecology. C. geology. D. limnology.
3. How are the zebra mussels affecting food chains in Lake Michigan?
4. True or False: Zebra mussels and quagga mussels eat the same type of food and have the same pattern on their shells.
5. True or False: Sunlight and humidity are examples of biotic factors.
6. Describe two important things that happened to the ecosystem of Lake Michigan during the 1989-90 time period.
7. In which year were the quagga mussels first sighted in Lake Michigan? A. 1989 B. 1992 C. 1999 D. 2002

8. What evidence is there that the quaggas are in competition with the zebras?9. What data does Russell Cuhel use to analyze the population sizes of mussels in the lake?10. Explain how a limiting factor affected the lake perch population in Lake Michigan.