

Pg. 63 #1-4

1.

(a) Stress	(b) Effects of the Stress
Motor boats	Oil leaks can easily contaminate lake water. Oil reduces the water's oxygen level and so affects the health of fish and other lake organisms.
Sewage	Sewage leaking from septic tanks can increase the nitrogen content of the water. This contamination eventually reduces the biodiversity of aquatic organisms.
Docks	Building docks can disturb fish spawning grounds and disturbs floating and submerged aquatic vegetation.
Boat wakes	Waves disturb aquatic and terrestrial vegetation along the shoreline and nesting sites of loons and other birds.
Beaches	Removal of aquatic and terrestrial vegetation along the shoreline means loss of habitat for other organisms.
Clearing shoreline	When shoreline vegetation is cut down, fish lose the shade and cover the vegetation provides.

2. Urban sprawl has reduced biodiversity in the Niagara Escarpment through habitat change and habitat fragmentation.

3. Clearcutting removes all the trees in an area at one time, regardless of size.

4. Students' answers may vary but could include habitat fragmentation, habitat change, or habitat destruction.