No. _____

Check the appropriate boxes below, and fill in the blanks if applicable.

☐ **Major**: _____ **Department**: _____

☐ **No Preference or Undeclared**

☐ **Freshman** ☐ **Sophomore** ☐ **Junior** ☐ **Senior** ☐ **Other**: _____

1. List two abiotic components and two biotic components of a wetland ecosystem.

2. Correctly categorize the following factors that limit fisheries and wildlife populations as density-dependent or density-independent factors. Please place an "X" in the appropriate column.

factors	density-dependent	density-independent
weather		
birth rate		
food availability		
predation		
wildfires		
migration		

3. Correctly categorize the following sampling strategies as passive or active sampling strategies to study fish or wildlife communities. Please place an "X" in the appropriate column.

factors	passive	active
electrofishing		
trapping		
surveillance		
beach seining		
telemetry		
fyke netting		

4. In one sentence describe two ways anglers, hunters, and other natural resource users help pay for fisheries and wildlife conservation.

No. _____

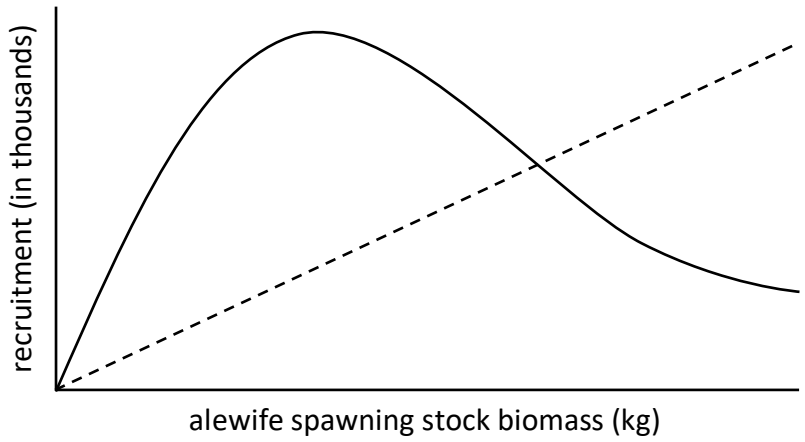
5. A person who fishes or hunts for the purpose of consumption probably has more of a humanistic attitude OR a utilitarian attitude towards fisheries and wildlife. (*Circle One*)

6. List four issues or events that are impacting, and will continue to impact, fisheries and wildlife conservation in the next 50 years.

1. _____ 3. _____

2. _____ 4. _____

7. The graph below depicts the stock and recruitment dynamics of a hypothetical alewife (fish species) population. Analyze the graph, and <u>circle</u> the best description for the graph below.



A. Very low to near zero spawning stock biomass corresponds with high recruitment
B. Recruitment decreases if there are too many mature adult alewives in the population
C. If there are more recruits than spawners present, then the alewife population nears over-exploitation
D. This graph yields no helpful information to managers of this alewife population

8. Using words, lines, and arrows, model the trophic interactions among the following organisms: rabbit, elk, wolf, bison, and grass.

No. _____

9. In one sentence, describe the impact Rachel Carson's 1962 book, *Silent Spring,* had on environmental science and management.

10. In two sentences, explain why you are taking this course. Additionally, list some topics you are interested in learning more about during this semester.