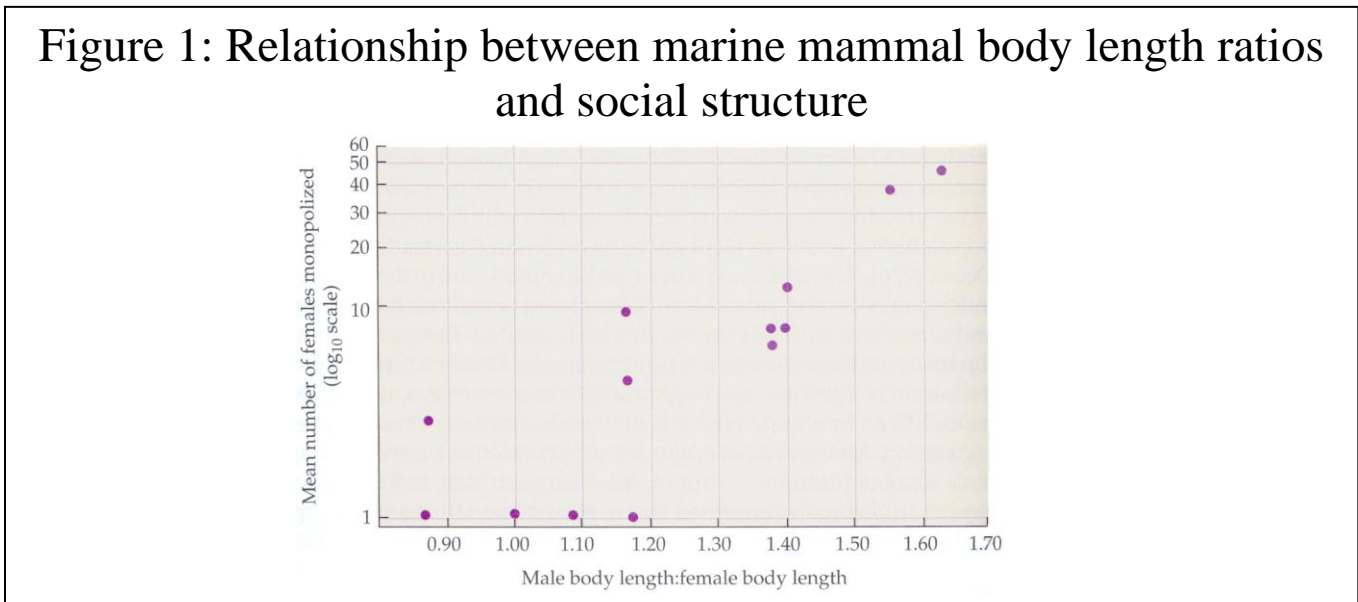


ANSWER

ANSWER

ANSWER

Round: 5B



1. Describe the relationship between male:female size ratio and female monopolization as illustrated in Figure 1.
The higher the male:female size ratio, the more females a male can monopolize (5 pts)
2. Which male:female size ratio (approximate) was able to acquire the most females?
The ratio range of 1.60 – 1.70 was able to monopolize the most females. (4 pts)
3. Define sexual selection and sexual dimorphism. What impact does sexual selection have on sexual dimorphism in seal and related marine mammal species?
Sexual selection occurs when individuals differ in their abilities to attract and mate with other mates (3 pts). Sexual dimorphism is a situation in which the sexes of a single species differ significantly in length or weight (3 pts). In species where some males can monopolize large numbers of females, sexual selection has resulted in extreme sexual dimorphism (5 pts).