

ANSWER KEY FOR LESSON 6

Key Questions

- What are the major predators of *Mya arenaria*? **BELOW**
- List a characteristic of a predator? **BELOW**
- State a common name and a binomial name for a predator? For any other living thing? **BELOW**
- How do these predators cause problems for the clam industry? **The predators cause problems for the industry because they are depleting many of the juvenile clams and commercial size clams. Harvests are shrinking.**
- What might cause a species that was not a known predator of *Mya arenaria* to become one? **If a predator is in an area where it finds a good food source and other requirements for living, it will probably stay in the area.**
- How can we use scientific reasoning to make a guess, called a “claim,” about a predator? How can we gather evidence to support or refute our claim?

We can look at how the clamshell was damaged by the predator. We cannot be positive, especially if a new predator is moving into an area. It may leave shell fragments in a similar way as a known predator does. If the clam is totally gone, we might assume a human or other animal dug it up/consumed it; Sometimes we cannot disprove our guess without further information

➤ Binomial name	common name	characteristic
➤ <i>Carcinus maenus</i>	green crab	Notorious crustacean . . .;
➤ <i>Neanthes virens</i>	sandworm	worm which can grow to great length . . .
➤ <i>Euspira heros</i>	northern moon snail	gastropod . . . drills a hole near the umbo
➤ <i>Glycera dibranchiata</i>	bloodworm	creamy reddish/pink worm . . .
➤ <i>Cerebratulus lacteus</i>	milky ribbon worm	everts its proboscis into the clams siphon . . .
➤ <i>Anas rubripes</i>	black duck	snips off the siphons of larger clams . . .
➤ <i>Fundulus heteroclitus</i>	mummichog	hardy fish that eats clams . . .
➤ <i>Homarus americanus</i>	American lobster	a large, edible marine crustacean . . .
➤ <i>Euspira triseriata</i>	spotted moon snail	a gastropod that preys on clams in a similar way
➤ <i>Cancer irroratus</i>	rock crab	a crab with 9 marginal teeth on the carapace . . .