

SAMPLE SAMARA TEST QUESTIONS

Use the information from this chart and answer questions 1 and 2.

SOILS	CHARACTERISTICS
Topsoil	Made of soil, dead plants and animals
Loam	Made of sand, clay and dead plants and animals
Sand	Doesn't hold water; made of tiny pieces of rock
Clay	Holds water, but cracks when dry

1. Which soil type allows water to pass through more quickly because of its structure?
 - a. Loam
 - b. Sand
 - c. Clay
 - d. Topsoil
2. Humus is decaying plant and animal material. Which soils have no humus to help hold the water for plants to use?
 - a. Loam and clay
 - b. Sand and clay
 - c. Sand and topsoil
 - d. Loam and topsoil
3. Why do hunting and fishing regulations limit the number of certain animals that can be taken?
 - a. Experience has shown that when these numbers are taken a healthy balance of the animals is maintained
 - b. Everyone knows that people cannot eat more than that number
 - c. Some animals must be left to feed wild dogs
 - d. To encourage the killing of undesirable animals

4. Which of the following foods, that humans eat, can be traced back to plants?
 - a. Milk
 - b. Bread
 - c. Meat
 - d. All of the above

5. Pine needles
 - a. Are never replaced
 - b. Produce food for the tree through photosynthesis
 - c. Do not produce food for the tree through photosynthesis
 - d. Lose more water to the air than leaves of maple trees

6. Many agricultural chemicals (pesticides, herbicides, and insecticides) have been found to be potential hazards. Therefore, regulations have been written which
 - a. Outlaw all agricultural chemicals
 - b. Require training and certification of those who apply these chemicals
 - c. Require all foods to be washed before eaten
 - d. Require farmers to destroy all agricultural chemicals

7. Agricultural chemicals (pesticides and fertilizer) when properly used increase harvest. Improper use of these same chemicals may
 - a. Damage the egg shells of wild birds
 - b. Pollute drinking water
 - c. Cause fish kills in streams
 - d. Do all of the above.

The essay question is provided for your use to serve as a tiebreaker. Given below are the most probable answers to the question but not necessarily the only ones. You be the judge. Instead of using this question, you may wish to make up your own. Feel free to do so.

1. The natural foods that the animal needs to be healthy may be replaced by an unhealthy diet.
2. Deer are killed and injured along park roads because they are attracted to roadside feeding areas.
3. Deer used to being fed may accidentally or purposefully injure a human.
4. Deer congregating at feeding area increases the risk of transferring parasites that can transmit diseases to humans such as the deer tick and Lyme's disease.
5. Congregating at feeding areas may increase the stress level of deer with a resulting decrease in health.
6. Deer lose their innate fear of people and develop unnatural feeding patterns and other behavior.
7. Deer that become dependent on "handouts" during the spring, summer and fall may starve in the winter when not as many humans are around to feed them.