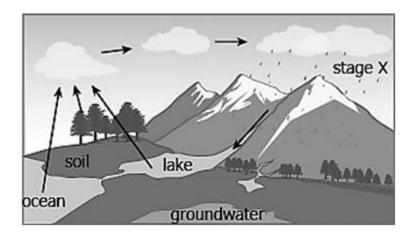
North Carolina Sample Questions 5th Grade Science

1. A diagram of the water cycle is shown. One stage of the water cycle is labeled with an X.

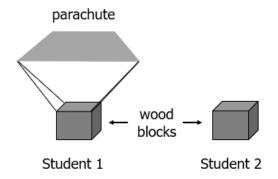


Which stage of the water cycle immediately follows stage X?

- **A** condensation
- **B** precipitation
- **C** runoff
- **D** transpiration

- 2. In a food chain, both the leopard seal and killer whale feed on penguins. Why would only the killer whale occupy the position of top consumer?
 - **A** The leopard seal is also food for the killer whale.
 - **B** The leopard seal feeds on other smaller animals.
 - **C** The killer whale is much larger than the leopard seal.
 - **D** The killer whale feeds on all organisms in the food web.

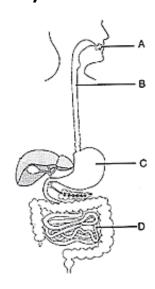
3. Two students both drop wood blocks with the same masses and shapes from the same heights, as shown.



Student 1's wood block has a parachute attached and falls slower than Student 2's wood block. Why does Student 2's wood block fall *faster*?

- **A** The pull of gravity is greater on Student 2's block than on Student 1's block.
- **B** There is less air friction on Student 2's block.
- **C** The mass of Student 2's block is greater.
- **D** The density of Student 2's block is different from Student 1's block.

4. The diagram shows the digestive system.



Which labeled organ represents the stomach in the digestive system diagram?

- A organ A
- **B** organ B
- **C** organ C
- **D** organ D