Life, Earth, and Space Science Assessment Probes

## Where Did the Water Come From?

Latisha took a sealed, plastic container of ice cubes out of the freezer. The outside of the container was dry when she took it out of the freezer. She set the container on the counter. She did not open the container. Half an hour later she noticed the ice had melted inside the container. The container was full of water. A small puddle of water had formed on the kitchen countertop, around the outside of the container. Which best describes where the puddle of water came from?

- **A** A gas in the air.
- **B** Melted ice inside the container.
- **C** Cold on the outside of the container.
- **D** Condensation from water inside the container.
- **E** Water that evaporated from inside the container.
- **F** Cold changed hydrogen and oxygen atoms to water.

Describe your thinking about where the water came from. Provide an explanation for your answer.