

Name _____



Heat Chain

Directions: Read the passage. Then identify the **cause** and the **effect** for each question.

During a summer field study, a group of students noticed that a shallow pond warmed up much faster than a nearby deep lake. The pond absorbed sunlight quickly because its water was only a few feet deep. As the water warmed, algae in the pond began to grow more rapidly. The thick algae layer blocked sunlight from reaching plants at the bottom, causing some of them to weaken and die. With fewer plants producing oxygen, the pond animals had less oxygen available in the water.

1. What caused the shallow pond to warm up more quickly than the deep lake?

2. What effect did the warmer water have on algae?

3. What caused the plants at the bottom to weaken?

4. What effect did the dying plants have on pond animals?

5. Identify one additional **possible** cause or effect that could happen next based on the events in the passage.
