



Read the story carefully. Then answer each question below in a full sentence.

Science is full of cause and effect! Identify what action was taken, what reaction happened, and trace the whole chain of events.

## The Melting Mystery



Leo was curious about why his ice pops melted so fast outside. For his science project, he decided to do an experiment. He took two identical blocks of ice from the freezer. He placed one block on a sunny spot on the patio and the other block in the cool shade under a big oak tree. He set a timer and watched.

After only ten minutes, the ice in the sun was already a small puddle, shrinking rapidly. The block in the shade, however, was still mostly solid, with just a tiny ring of water around its base. Leo noticed that the puddle in the sun seemed to disappear faster than the small amount of water from the shade ice. He realized the sun wasn't just melting the ice; it was also making the water vanish into the air! This taught him that heat can cause things to change in more ways than one.

### COMPREHENSION QUESTIONS

(1) Which of these **BEST** explains why the ice in the sun melted faster and its puddle disappeared quickly? Circle the correct answer.

- (A) A secret fan blew away the water from the sunny spot.
- (B) The sun's heat caused the ice to melt and the water to evaporate.
- (C) Leo put less ice in the sun by mistake, making it melt quicker.
- (D) The shade kept the other ice frozen, so the sun ice looked like it melted faster.



**(2) Complete the sentence: Because the sun was hot, the ice in the sunny spot**

\_\_\_\_\_.

---

**(3) What was one effect of placing the ice block in the shade?**

---

---

---

---

**(4) Describe how Leo's experiment led to him understanding more about heat.**

---

---

---

---

**(5) What might have happened if Leo had placed both ice blocks in the shade? Explain.**

---

---

---

---

