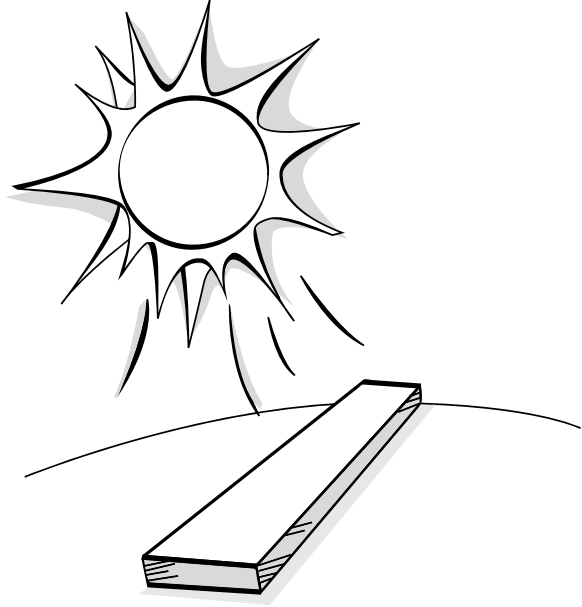


# Iron Bar

Nate measured an iron bar. He put the iron bar in the hot sun. When he measured the bar after it had been in the sun, it was slightly longer. Which sentence best describes what happened to the iron atoms after the bar was left in the hot sun?



- A** The number of atoms increased.
- B** The size of the atoms increased.
- C** The space between each atom increased.
- D** The air in the spaces between the iron atoms expanded.
- E** Some of the atoms began to melt and spread out further in the bar.
- F** The heat caused the atoms to flow around the bar and pushed it outward.

Explain your thinking about what happens to atoms when a metal is heated. You may draw pictures to support your explanation.

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