



FOCUS: Understanding paragraph organization and cohesion and answering sentence addition questions.

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DIRECTIONS: Read the new sentence and the passage that follows. Click on the square [...] that marks the best position for the sentence.

[Review](#)[Continue](#)

- 1 Look at the four squares [...] that indicate where the following sentence could be added to the passage.

Conversely, when water cools down, more hydrogen bonds are formed.

Click on the square [...] that marks the best position for the sentence.

Glossary

intensity: the degree or strength of something

The properties of temperature and heat are not the same, but there is a distinct relationship between them. When atoms and molecules in a body of matter move, heat is created by the energy of that movement. [...] Therefore, heat is the total amount of energy generated by movement in a body of matter. Temperature, however, is the **intensity** of heat. [...] Instead of being the total amount of heat energy generated by atomic and molecular movement in a body of matter, temperature is calculated by finding the average speed of molecules. [...] For example, when water is heated the heat energy breaks down the hydrogen bonds. This makes the water molecules move faster. Heat is absorbed when these hydrogen bonds break down and cause water to store large amounts of heat even though the water warms up only a few degrees in temperature. [...] When these bonds form, heat energy is released from the water and the cooling process slows down.