



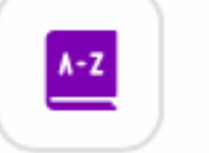
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19. Check My Understanding

**Select the best choice.**

Which one of the following has the most thermal energy?

☐ Room temperature water☒ Boiling water☐ Ice cube

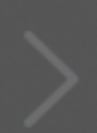
The boiling water has more thermal energy because it is a higher temperature and its molecules move around more.



You got three in a row!



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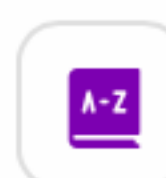
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19. Check My Understanding



Attempt 1

Drag and drop the correct terms to complete the sentence.

Thermal energy will move from the

to make it boil.

1. stove



to the

2. pot of water



↕ air

1. stove



2. pot of water



Thermal energy moves from a hot to cold object. The stove is hot and the pot of water is cold.

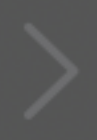


You got three in a row!



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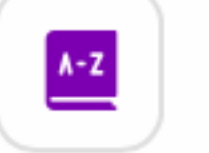


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19. Check My Understanding

**Select the best choice.**

What has thermal energy?

Attempt 1

- ☐ Large objects only
- ☒ Everything has thermal energy ✓

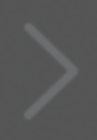
- ☐ Cold objects only
- ☐ Hot objects only

Thermal energy is the movement of molecules in an object. Everything is made up of molecules, so everything has thermal energy.



You got three in a row!

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19. Exit ticket

**Select the best choice.**

Which statement is true about thermal energy?



Objects with more thermal energy have faster moving molecules



Thermal energy does not exist



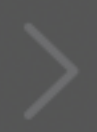
Only cold objects have thermal energy



Objects with more thermal energy have slower moving molecules

The more molecules move means the more thermal energy an object has.





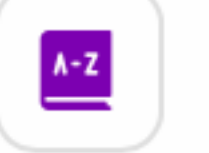
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19. Exit ticket



Drag and drop the best terms to complete the sentence.

Heat is the transfer of thermal energy from a 1. hot object to a 2. cold object.

solid

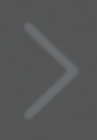
liquid

gas

1. hot2. cold

The definition of heat is the transfer of thermal energy from a hot object to a cold object.



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19. Exit ticket

**Select the best answer.**

Which of the following correctly relates thermal energy to heat?



Heat is the transfer of thermal energy from a warm object to a cool object



Thermal energy is the transfer of heat from a warm object to a cool object



Heat is the transfer of thermal energy from a cool object to a warm object



Heat is not related to thermal energy

The definiton of heat is the transfer of thermal energy of a warm object to cool object.