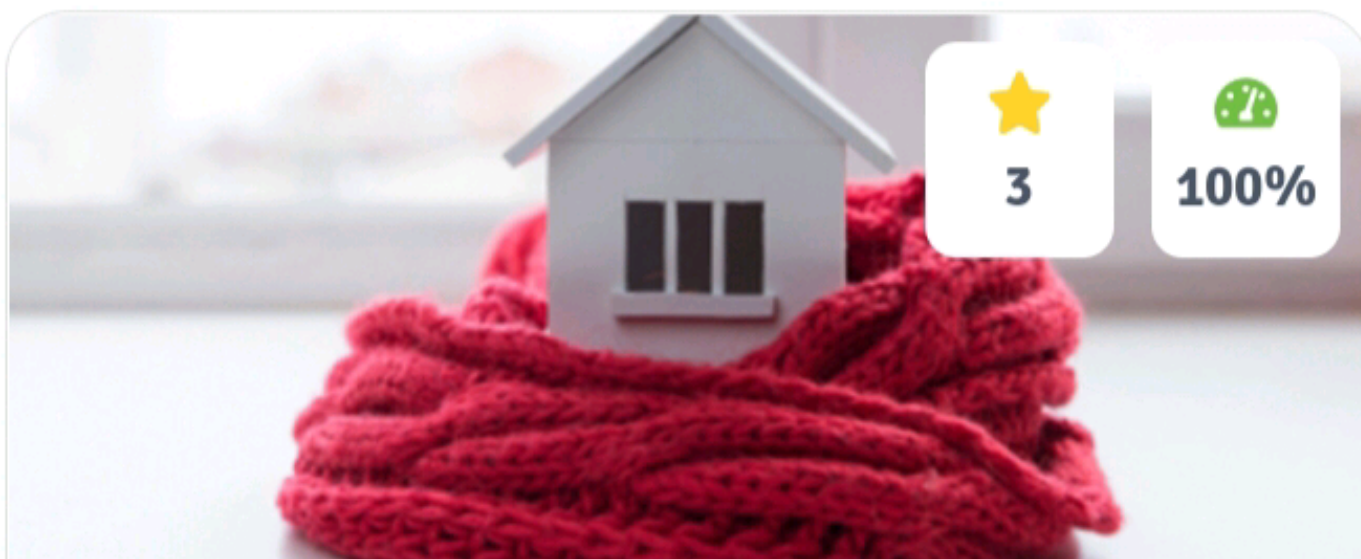


درس تعليمي

قريبًا



Focus on Science Skills

32. Thermal Energy and Heat

اختياري | درس تعليمي

مراجعة

**Select the best answer.**

Which of these has the fewest moving molecules?

المحاولة رقم (١)

Steam



Boiling water



Room temperature water



Ice



Because ice is the coldest item, its molecules will barely move.





Select the best choice.

Which statement is true about thermal energy?

المحاولة رقم (١)



Thermal energy does not exist



Only cold objects have thermal energy



Objects with more thermal energy have slower moving molecules



Objects with more thermal energy have faster moving molecules



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





المحاولة رقم (١)

Drag and drop the correct terms to complete the sentence.

Thermal energy will move from the

1.

stove



to the

2.

pot of water



to make it

boil.

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





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.



liquid



gas



solid

1.

hot



2.

cold



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



**Select the best choice.**

Which one of the following has the most thermal energy?

المحاولة رقم (١)

Boiling water



Ice cube



Room temperature water

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





Thermal energy deals with molecules



All things have molecules

المحاولة رقم (3)

Drag and drop the best term to complete the sentence.

1.

All things



have

thermal energy.



Some things



Cold things



Hot things

1.

All things



All things have molecules, so all things have thermal energy.





Which of the following correctly relates thermal energy to heat?

المحاولة رقم (١)



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



Heat is not related to thermal energy



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



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



Think of the definition of heat.



Select the best choice.

What has thermal energy?

المحاولة رقم (١)



Hot objects only



Cold objects only



Everything has thermal energy



Large objects only

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





المحاولة رقم (١)

Drag and drop the correct term to complete the sentences.

1.

Heat



is the

transfer of thermal energy from a hot object to a cold object.



Speed



Cold



Space

1.

Heat



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





Select the best choice.

Which one of the following has the most thermal energy?



Room temperature water



Ice cube



Boiling water



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

