

Cookie Energy – Quick Check

Name _____



Darwin, the dog, is watching your cousin bake cookies. Your cousin takes some hot cookies out of the oven and puts them on a rack to cool down. He tells you that you can eat one in 15 minutes. Your friends Katya, Sal, Roger and Luis are discussing what will happen to the thermal energy in the cookies while they cool off.



Katya says – “Energy from the hot cookies will transfer to the air in the room.”

Sal says – “Energy from the hot cookies evaporates into the room.”

Roger says – “Energy leaves the hot cookies but it does not go anywhere.”

Luis says – “There is no energy transfer, the hot cookies just cool off.”

Circle the idea that makes the most sense to you and explain why.

Darwin notices that while the cookies are cooling down the temperature of the kitchen does not change much at all. He wonders how it is possible for the temperature of the cookies to change so much while the temperature of the kitchen does not change.

Explain how this is possible. (Use diagrams, bars, words and/or the Energy Tracking Lens to tell the energy story).