

Bellwork: Energy Transfer

Dallas and his friend Katherine, from Ms. Sanniti's class, were so intrigued by yesterday's POE that they went home and decided to further experiment.

Dallas and Katherine decide to place ice cubes on top of a piece of glass and a piece of plastic. They see that the ice on the glass melts more quickly than the ice on the plastic.

a) Explain why the ice cubes melts

b) Explain why the ice cube melted faster on glass than on the plastic

c) Dallas challenges Katherine by saying " The ice melted more quickly on the glass than on the plastic so if you touch the two materials, which will feel warmer?"

Katherine says that she thinks the glass will feel warmer and that is why the ice melted more quickly on the glass.

Explain why Katherine is wrong.
