*** Hibernating Bear***

*Four friends were talking about what happened to the matter that the hibernating bear lost. This is what they said:*

**Andy:** “Since it was sleeping and not eating, the bear used up all its matter to keep itself alive. All the matter was digested and then stored as muscle.”

**Jasmine:** “The bear wasn’t eating so it burned up all its stored fat and converted it to energy. The matter was burned up and left in the form of body heat.”

**Isabella:** “It was using energy from the fat in its bloodstream. Because it needed energy to stay alive, it converted its fat into glucose. It gets it energy from this glucose and then the matter actually left its body as glucose.”

**Demarcus:** “Even in hibernation, the bear was using more energy than the food molecules in its bloodstream could provide so it started breaking down its fat to get energy. The fat is first converted into glucose and then rearranged into CO2 and water. The matter left the body as those products.”

***With which student do you agree most? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***On the back of the paper, explain why you agree with that person and not the others.***

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