

Closed internet (seriously!) FRIDAY POP QUIZ #1 - SSP 601 Fall 2017

1. Is the thermoelectric effect possible in insulators?
2. Our body is able to keep thermal energy. Guess why.
3. You feel cold when touching a metallic spoon. Why?
4. You must caulk the roof of your house. The constructor proposes to use a special foam which the roof should be filled in. Is he/she right?

A completely optional problem for your Friday dinner. Enjoy!:

A guest comes slightly late for the party and wearing strong perfume. Estimate the time elapsed before other guests can detect the scent of the perfume in a small size room if:

1. The perfume molecules behave as a classic gas.
2. They behave as fermions.