

M502: THERMAL ENVIRONMENT

STUDENT EXERCISE 2 – ANSWERS

1. Conduction, convection, radiation.
2. Vasoconstriction, shivering, piloerection.
3. He is producing heat through the act of walking and eating.
4. Shivering is designed to increase metabolic heat production within the body as a counter to a drop in core temperature.
5. Initially pain followed by frostbite and hypothermia. The onset of severe hypothermia can lead to death.
6. -7°C .
7. -26.4°C .