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One biological strategy that I found particularly interesting was that polar bears' clear fur is used to absorb infrared radiation in order to help the bear maintain a stable body temperature. I find this strategy compelling because polar bears' fur are able to use infrared rays emitted by the sun, which are felt as heat by mammals, in order to maintain a stable temperature of 37C. I find biomimicry to be very fascinating because so much of the world we live in is shaped by species who have expertly adapted to it. I find it interesting that when mankind wants to accomplish large feats, such as building the tallest building or flying, humans turn towards nature for answers on how to achieve these feats. This specific biological system seen in polar bears could be adapted at my school or home through utilizing infrared radiation during winter months to keep buildings warmer. Specific materials such as wood, brick and asphalt can be added to buildings in order to increase the absorption of infrared rays and help maintain ideal temperatures during cold months.

My perspective on nature has changed because I now view nature and living species as complex and beautiful systems that are able to adapt to extreme and challenging conditions through utilizing different resources that we may not necessarily think about. I also now witness how much of our human world is shaped by the living world and how biomimicry is present in almost every aspect of our lives in ways that I previously did not see. For example, I did not know that animal fur and skin are important when designing clothes that are water resistant or heat trapping.