

Name _____

Radiation: The Invisible Heat Transfer

Open-Ended Response Questions

1. Imagine you are an astronaut in space. Explain how radiation is the primary source of heat transfer in your spacesuit and spacecraft, considering there's no air or matter to conduct or convect heat.
2. Think about the role of radiation in energy-efficient building designs. How can architects and engineers use radiation to optimize heating and cooling in homes and offices?
3. Describe a real-world scenario where understanding radiation and its properties would be crucial, and explain why.
4. In what ways does radiation impact our daily lives, beyond heating? Provide examples of applications where radiation plays a significant role.

