

Name _____

Unlocking the Mystery of Absolute Zero and Entropy: The Third Law of Thermodynamics

Short Answer

1. Explain the concept of entropy and how it relates to the disorder of particles in a system.
2. How does the third law of thermodynamics relate to the behavior of matter as it approaches absolute zero?
3. Why is achieving absolute zero in practice extremely challenging, even for scientists?
4. Provide an example of a field where the third law of thermodynamics is applied and its significance.
5. What are the temperature scales used to measure absolute zero, and what is the temperature in Kelvin?

