Name _____

Water's Magical Vanishing Act: The Significance of High Heat of Vaporization

Open-Ended Response Questions

1. Discuss the potential consequences for living organisms if water had a low heat of vaporization and couldn't cool down through evaporation.

2. Explain how an understanding of water's heat of vaporization can lead to more efficient cooling systems in our homes and appliances.

3. Imagine a world where water's heat of vaporization was even higher than it is. How might this affect the planet's climate and the water cycle?

4. Describe an experiment you could conduct to demonstrate the concept of heat of vaporization to someone who has never heard of it before.