1. What happens when the number of hidden nodes increase?

Accuracy improves as the model captures more complex patterns. With very high nodes, it might overfit, showing high training accuracy but potentially poor generalization if tested on new data.

2. Can you explain the pattern of the accuracy when the hidden nodes increase?

Accuracy often rises quickly with small increases due to better representation. It plateaus or fluctuates at higher values due to overfitting or optimization challenges. Visualizations may show smoother decision boundaries with more nodes.