[**Deep learning** is a method that trains computers to process information in a way that mimics human neural processes1](https://www.coursera.org/articles/what-is-deep-learning). It involves neural networks with multiple layers, enabling them to recognize complex patterns in text, images, or sounds.

Here are **five free online courses** where you can learn more about deep learning:

1. **Creative Applications of Deep Learning with TensorFlow** (Coursera): Explore deep convolutional networks, variational autoencoders, generative adversarial networks, and recurrent neural networks for creative applications.
2. **Neural Networks for Machine Learning** (University of Toronto via Coursera): Learn about artificial neural networks, their applications in speech and object recognition, and practical tricks to make them work effectively.
3. **Practical Deep Learning For Coders, Part 1** (fast.ai): Designed for those with coding experience, this course covers essential deep learning concepts using Python and PyTorch.
4. **Introduction to Artificial Intelligence (AI)** (IBM): Explore algorithms, computer vision, and deep learning in this beginner-friendly course.
5. [**Introduction to Generative AI** (Google Cloud): Dive into generative AI using artificial neural networks](https://www.coursera.org/articles/what-is-deep-learning)[2](https://www.coursera.org/courses?query=deep%20learning&productDifficultyLevel=Beginner).

Feel free to explore these resources and enhance your understanding of deep learning! 🚀🧠