

**Your grade: 100%**

Your latest: **100%** • Your highest: **100%** • To pass you need at least 66%. We keep your highest score.

Next item →

1. Imagine you're working on an AI project that involves creating new content such as images, music, and language. Which artificial intelligence technology would you be primarily focused on?

1 / 1 point

- ☐ Machine Learning
- ☐ Natural Language Processing (NLP)
- ☒ Generative AI
- ☐ Neural Networks



**Correct**

Correct! Generative AI is the subset of AI that concentrates on producing new data and content, including images, music, language, and more.

2. What sets deep learning apart from traditional neural networks?

1 / 1 point

- ☐ Improved computational efficiency
- ☒ Multiple layers of neural networks
- ☐ Enhanced cloud computing integration
- ☐ Linear transformations in data analysis



**Correct**

Correct! Deep learning is characterized by its use of multiple layers, enabling complex pattern recognition.

3. In the realm of machine learning, what significant application involves the task of predicting items of interest for users based on their past interactions or behaviors?

1 / 1 point

- ☒ Recommender systems for personalized content suggestions
- ☐ Identifying fraudulent transactions in real-time
- ☐ Optimizing search engine ranking algorithms
- ☐ Analyzing retail sales trends for inventory management



**Correct**

Correct! Recommender systems use machine learning to predict and suggest items of interest to users, such as movies or products.