

Name \_\_\_\_\_

## Unveiling the Secrets of How Artificial Intelligence and Machine Learning Algorithms Learn

### Multiple Choice Questions

1. What is the first step in the process of how AI and ML algorithms learn?

- a) Training the algorithm
- b) Adjusting the algorithm
- c) Data collection
- d) Feature extraction

2. What do the features represent in the learning process?

- a) Random guesses
- b) Raw materials
- c) Adjustments
- d) Specific details for recognition

3. What is the purpose of the feedback loop in machine learning?

- a) To collect more data
- b) To fine-tune the algorithm
- c) To create diverse datasets
- d) To complete the training process

4. How does the algorithm improve over time?

- a) By repeating steps 3 to 5
- b) By collecting more data
- c) By deploying it immediately
- d) By skipping the testing phase

5. What does the testing and validation step in machine learning ensure?

- a) That the algorithm never makes mistakes
- b) That the algorithm can only recognize dog breeds
- c) That the algorithm can generalize its learning
- d) That the algorithm stops learning after training

