Exploring Neural Networks in AI

Name: _____ Date: _____ Class: _____

Part 1: What Can AI Do?

Let's explore how AI tools work!

Visit one of these tools with your group:
☑ Quick, Draw!
☑ Teachable Machine

1. What tool did you explore?

_____
_____
_____
_____

2. What did the AI tool ask you to do?

_____
_____
_____
_____

3. How did the AI respond to your input? (drawing, images, etc.)

_____
_____
_____
_____

4. What patterns or features do you think the AI looked at?

_____
_____
_____
_____

Part 2: What Is a Neural Network?

A neural network is like a web of "thinking" parts. You'll now simulate how it works with your class.

> Imagine you are a neuron! Each person passes along a signal (information) depending on what they receive.

In our simulation:

- Inputs = data (like color, shape, word)
- Hidden layers = decisions being made
- Output = final answer or prediction

5. What was your role in the neural network? (Input / Hidden / Output)

6. How did you decide what to “pass on” to the next layer?

7. How does this simulation help you understand how AI “thinks”?

Think & Reflect

8. What’s one new thing you learned about AI today?

9. Why is the kind of data you give an AI important?

10. What is something cool, weird, or surprising about how the AI behaved?