

Name:

Date:

# Understanding Artificial Intelligence

## AI in My Day

List 3-5 technologies you used this morning:

1

2

3

4

5

Which of these do you think use AI? Circle them above.

## What is AI?

Complete the definition:

Artificial Intelligence is when computers and machines are programmed to \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ in ways that seem intelligent, similar to humans.

# Three Types of AI

## TYPE 1: VIRTUAL ASSISTANTS

Examples: Siri, Alexa, Google Assistant

This type of AI uses Natural Language Processing (NLP) to understand human speech.

Questions I've asked a virtual assistant:

1

2

3

How does it work? (Write 2-3 sentences)

.....

.....

.....

## TYPE 2: RECOMMENDATION SYSTEMS

Examples: Netflix, YouTube, Spotify, TikTok

My most recent recommendation:

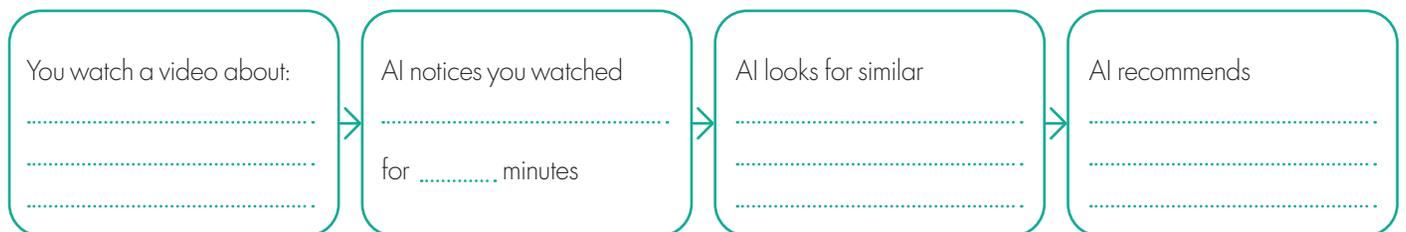
From (app name): .....

What was recommended: .....

Why do you think it was recommended to you? .....

.....

Create a flowchart. Show how YouTube decides what video to recommend next:



## TYPE 2: IMAGE RECOGNITION

Examples: Face ID, Snapchat filters, Google Photos

This is called Computer Vision - AI that can "see" and understand images.

My most recent recommendation:

1

2

3

How does Face ID keep your phone secure?

## AI vs Humans

Fill in the table with at least 2 examples for each:

Humans are better at:	
AI is better at:	

# Quiz

1. AI can think exactly like humans.

**TRUE**

**FALSE**

2. Which type of AI helps Netflix choose what to show you?

- Virtual Assistants
- Recommendation Systems
- Image Recognition

3. What does NLP stand for:

N..... L..... P.....

4. Give one example of how AI is used in your life:

.....

.....

.....

5. What is one concern people might have about AI?

.....

.....

.....

# Exit Ticket: 3-2-1 Reflection

3 types of AI I learned about:

1

2

3

2 examples of AI I use regularly:

1

2

3

1 question I still have about AI:

1

2

3