

Artificial Intelligence

Discussion Topic Pack

A warm-up, vocabulary, and graded discussion questions for talking about **Artificial Intelligence**.

Name _____ Class _____ Date _____ Score _____

Warm-up: What is the first thing that comes to mind when you hear the term "artificial intelligence"?

1 · Vocabulary

Word	Meaning	Example
algorithm	A set of rules or steps used to solve a problem or perform a task.	<i>The search engine uses a complex algorithm to rank web pages.</i>
automation	The use of machines or computers to do work that was previously done by people.	<i>Automation has reduced the time needed to assemble cars in factories.</i>
bias	A prejudice in favor of or against something, often reflected in data or algorithms.	<i>The facial recognition system showed bias against certain ethnic groups.</i>
ethics	Moral principles that govern behavior, especially in a professional context.	<i>Developers must consider ethics when creating AI that can influence decisions.</i>
machine learning	A type of AI that allows computers to learn from data without being explicitly programmed.	<i>Machine learning enables the app to improve its predictions over time.</i>
neural network	A computer system modeled after the human brain, used in deep learning.	<i>The neural network recognized the handwritten digits with high accuracy.</i>
data-driven	Based on data analysis rather than intuition.	<i>The company's strategy became more data-driven after adopting AI tools.</i>
singularity	A hypothetical future point when AI surpasses human intelligence.	<i>Scientists debate whether the singularity will happen within this century.</i>

2 · Discussion Questions

Take turns asking and answering — try to give a full answer, not just yes or no.

- 1 Have you ever used a voice assistant like Siri or Alexa?
- 2 How often do you interact with AI-powered apps in your daily life?
- 3 What AI features do you find most useful, and why?
- 4 Do you think AI can replace certain jobs? Which ones?
- 5 How comfortable are you with AI making decisions for you, such as recommending movies or news?
- 6 What are the biggest advantages of AI for society?
- 7 What potential risks or downsides do you see with the rapid development of AI?
- 8 How should governments regulate AI technology?
- 9 In your view, can AI ever truly understand human emotions? Why or why not?
- 10 Imagine a future where AI surpasses human intelligence (the singularity). How would that change everyday life and human identity?

3 · Extension

Try this: *Role-play: One student acts as a tech-company CEO proposing a new AI product, while another plays a consumer advocacy representative raising concerns about privacy and job impact. Each must argue their position for 2-3 minutes, then switch roles.*