

Student Discussion Worksheet

Directions: Read "[Let's learn about artificial intelligence](#)" and "[Scientists Say: Machine learning](#)" from *Science News Explores* before discussing the first set of questions. Then read the *Science News Explores* article "[Think twice before using ChatGPT for help with homework](#)" and take the quiz at the end of the article before discussing the prompts in the second section.

Alexa, Explain AI

1. What does AI stand for and what does it do? Why do you think AI got the name that it did?
2. Discuss common uses of AI mentioned in the *Science News Explores* articles. Based on these examples, what areas can you think of where AI is used?
3. Much of today's AI is based on machine learning. Explain how two types of machine learning — supervised learning and reinforcement learning — are different. What do you think "unsupervised learning" means? Hint: It is another kind of machine learning.
4. After analyzing the different types of machine learning, discuss the similarities among the types to explain generally how AI computers learn.
5. Discuss examples of AI in art, movies, books and television shows. Choose an example and talk about how AI was used in the work and note which parts are still science fiction and which parts are now real.

Test your ethical ChatGPT IQ

1. Discuss your reaction to the quiz. How did you do? What surprised you the most? What did the quiz help you learn?

2. Based on all that you've learned about ChatGPT, what is the first thing you would ask it? Share with a partner.

3. Would you consider using ChatGPT to help you with your schoolwork? Explain how and why it would be useful and what implications it could have on how you learn necessary literacy skills, learning techniques or basic foundational content.

4. When Google search, calculators and Chromebooks were introduced to schools, school districts had to make policies about their use. Discuss what policy you think your school should adopt for student use of ChatGPT. Provide sound reasoning for your suggestion.

5. What ethical issues do you foresee with the use of ChatGPT? How might these ethical issues be addressed?

