

## Technology Worksheet for Grade 10

Theme: AI in Daily Life

Name \_\_\_\_\_

Surname \_\_\_\_\_

### Part 1: Pre-Class Study

Before completing this worksheet, please study the following resources to gain the topic perfectly

Source: Video - <https://youtu.be/2f5NHArhhQ?si=422-KVG3OhG6dfSz>

### Section 1: Open-Ended Questions

1. According to the video, what are the key benefits of integrating technology into education? Provide examples. \_\_\_\_\_

2. How does the video explain the role of artificial intelligence in modern industries? \_\_\_\_\_

### Section 2: Short Answer

3. Name three technologies mentioned in the video that are transforming healthcare. \_\_\_\_\_

4. What is the main challenge of adopting new technologies in developing countries, as discussed in the video? \_\_\_\_\_

### Section 3: Drag and Drop

5. Complete the sentence by dragging the correct words into the blanks:

"The video highlights that \_\_\_\_\_ (blockchain / robotics / nanotechnology) is revolutionizing \_\_\_\_\_ (finance / agriculture / entertainment) by ensuring \_\_\_\_\_ (transparency / speed / creativity) in transactions."

### Section 4: Matching

6. Match the technology with its application:

Technology	Application
Artificial Intelligence	A. Personalized learning
Virtual Reality	B. Immersive gaming
3D Printing	C. Prototyping in design
Internet of Things	D. Smart home automation

### Section 5: Choose the Correct Word/Phrase

7. The video emphasizes that \_\_\_\_\_ (quantum computing / cloud computing / edge computing) is essential for processing large datasets in real-time.
8. \_\_\_\_\_ (Augmented Reality / Machine Learning / Cybersecurity) is described as a critical tool for protecting sensitive information online.
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### Section 6: Multiple Choice (Single Correct Answer)

9. What is the primary focus of the video?
- a) The history of technology
  - b) The impact of technology on various industries
  - c) The future of space exploration
  - d) The role of technology in entertainment
10. Which of the following is NOT mentioned as a benefit of technology in the video?
- a) Increased efficiency
  - b) Reduced costs
  - c) Improved communication
  - d) Elimination of all jobs
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### Section 7: Multiple Choice (Multiple Correct Answers)

11. Which of the following technologies are highlighted as transformative in the video? (Choose all that apply)
- a) Artificial Intelligence
  - b) Blockchain
  - c) Virtual Reality
  - d) Renewable Energy
12. What are the potential risks of technology adoption discussed in the video? (Choose all that apply)
- a) Privacy concerns
  - b) Job displacement
  - c) Environmental impact
  - d) Increased global inequality