

Name _____

Magic in Medicine: How AI and Machine Learning Transform Healthcare

Short Answer Key

1. AI and ML assist in early disease detection by analyzing medical images like X-rays and MRIs with precision to detect abnormalities at an early stage.
2. Treatment plans created by AI and ML are personalized because they take into account a patient's unique medical history, genetic makeup, and lifestyle.
3. Virtual health assistants benefit patients by providing 24/7 access to health-related information and guidance.
4. AI and ML in drug discovery and development analyze vast datasets to identify potential candidates for new drugs and treatments.
5. Challenges and concerns in using AI in healthcare include the need for massive data, privacy and security concerns, ethical use, and potential job displacement.

