

Name _____

Magic in Medicine: How AI and Machine Learning Transform Healthcare

Open-Ended Response Answer Key

1. Answers may vary, but a scenario could involve AI identifying a rare disease in a patient's medical data that human doctors might have missed, leading to early treatment and a better outcome.
2. Healthcare professionals can ensure the ethical use of AI and ML by following strict guidelines, regularly auditing AI systems for bias, and ensuring transparency in decision-making processes.
3. Benefits of relying on AI in healthcare include faster and more accurate diagnoses, while drawbacks may include the potential for misdiagnosis and reduced human interaction in patient care.
4. The use of AI in healthcare might impact job roles by automating certain tasks, leading to changes in the responsibilities of doctors and nurses, potentially requiring more focus on interpreting AI-generated insights and providing emotional support to patients.

