



ACTIVITY #6

1. Matching heading definition.

Headings	Answer	Definition
Quantum Artificial Intelligence (QAI)		A. The integration of quantum computing and artificial intelligence, promising significant improvements in AI capabilities.
Hybrid Quantum-Classical AI Models		B. The fundamental units of quantum information in quantum computing, capable of representing both 1 and 0 simultaneously.
Qubits		C. The deliberate collision of quantum mechanics and artificial intelligence, poised to revolutionize computing.
Quantum Computing		D. AI models that combine quantum and classical computing elements, allowing for advanced algorithm prototyping.

TensorFlow Quantum (TFQ)		E. A platform by Google for prototyping hybrid quantum-classical AI models, facilitating experimentation with quantum machine learning.
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