Name _____

NVIDIA and AI

NVIDIA is a technology company founded in 1993, originally known for creating graphics processing units (GPUs) used in video games. Over time, its hardware proved to be extremely useful for artificial intelligence because GPUs can process massive amounts of data quickly and in parallel. Today, NVIDIA is considered the backbone of the AI industry since its chips power most of the world's advanced AI systems.

Beyond making hardware, NVIDIA also develops software platforms that make AI more accessible. For example, its CUDA platform allows researchers and developers to build AI systems more efficiently. NVIDIA also creates specialized systems for self-driving cars, robotics, healthcare, and scientific research.

The company plays a key role in both enabling and accelerating the progress of AI. Without NVIDIA's technology, many breakthroughs in machine learning, computer vision, and generative AI would have been much harder to achieve. As AI continues to expand, NVIDIA remains one of the most influential companies shaping the future of artificial intelligence.

Short-Answer Questions

1. Why are NVIDIA's GPUs so important for artificial intelligence?

2. What is CUDA, and how does it support AI research and development?

3. Besides making chips, what other kinds of products or platforms does NVIDIA create for AI?

4. How has NVIDIA influenced progress in fields like machine learning and generative AI?

5. Based on the passage, do you think NVIDIA's influence comes more from its hardware or its software? Explain your reasoning.