

## Generative AI Breakthroughs

**Question:**

Match the information in the card to the correct breakthrough reason.

### Correct Classification:

#### Cloud:

1. **Management and storage of large quantities of data**
2. **Democratized access to large computing resources**

#### Competition:

1. **Big Tech companies spurred generative AI development to gain commercial advantages against their peers**
2. **Quest for pharmaceutical breakthroughs**

#### Model Innovations:

1. **RLHF: Machines Learning from human feedback**
2. **Transformers: Making sense of (transforming) text data**

### Explanations:

1. **Cloud:**

- Advances in cloud infrastructure allowed the storage and processing of vast quantities of data and made access to computing resources affordable and scalable.

2. **Competition:**

- Intense competition between tech companies and industries fueled innovation. Companies aimed to gain commercial advantages or achieve breakthroughs, such as pharmaceutical advancements.

3. **Model Innovations:**

- RLHF (Reinforcement Learning with Human Feedback) and transformer models represent groundbreaking innovations that significantly enhanced the performance and versatility of generative AI.