

AI Cause & Effect Chains Answer Key

1. ChatGPT (2022)

GPT-2 and GPT-3 were developed → Rapid improvements in language modeling → **ChatGPT (2022)** → Millions use AI for daily tasks → Became widely adopted in education, writing, and business → Raised ethical debates about the future of work

2. ELIZA (1966)

Interest in natural language → **ELIZA (1966)** → Public amazed by “talking computer” → Sparked new research in Natural Language Processing

3. ImageNet Breakthrough (2012)

Big data sets became available → Advances in neural networks → **ImageNet Breakthrough (2012)** → Sparked deep learning revolution → Led to advances in vision, speech, and translation AI

4. Turing Test (1950)

Early computers built as giant calculators → Alan Turing asks, “*Can machines think?*” → **Turing Test (1950)** → Defined a new way to measure intelligence → Inspired future chatbot research

5. IBM Deep Blue (1997)

Decades of AI research in games → Early chess programs improved steadily → **IBM Deep Blue (1997)** → Defeated Garry Kasparov → Proved AI could surpass humans in strategy

6. MYCIN (1970s)

Doctors struggled with accurate diagnoses → Rise of expert systems → **MYCIN (1970s)** → Proved AI could act like a medical assistant