



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Key eras of AI history ✓ What AI winters were ✓ Why deep learning exploded ✓ The role of data + compute



Section A · Concept Check

• BEGINNER

4 × 1 = 4

- 1 The term artificial intelligence was coined around: ☐ A. 1956 (Dartmouth) ☐ B. 1990 ☐ C. 2012 ☐ D. 1875
- 2 Funding/interest crashes are called AI: ☐ A. winters ☐ B. storms ☐ C. nights ☐ D. gaps
- 3 The 2012 deep-learning boom was sparked by: ☐ A. ImageNet + GPUs ☐ B. fax machines ☐ C. dial-up ☐ D. floppy disks
- 4 Deep Blue beat Kasparov at: ☐ A. chess ☐ B. go ☐ C. poker ☐ D. tennis



Section B · Problem Solving

• INTERMEDIATE

2 + 3×3 = 11

- 5 AI winters were caused by _____ expectations.
- 6 Modern AI needs big data and cheap _____
- 7 Name the 3 ingredients of the modern AI boom.

- 8 What lesson do AI winters teach?

- 9 Why did neural nets fail in the 90s but win in 2012?



Section C · Challenge

• CHALLENGE

5

- 10 One milestone per decade 1990s–2020s?



Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 Total ___/20

Teacher's Signature _____

Parent's Signature _____

ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-A | 5 overhyped/unmet 6 compute/GPUs 7 = Big data, GPU compute, better algorithms (deep nets) 8 = Hype beyond capability leads to crashes - manage expectations 9 = Not enough data/compute back then | 10 = Deep Blue 97, ImageNet 2012, AlphaGo 2016, ChatGPT 2022