

Name _____

Trade-offs Between Small and Big AI Models Answer Key

Problem 1 - Small models are best for running directly on laptops or smartphones because they use less **memory**.

Problem 2 - Big models can provide very detailed explanations, but they require powerful **servers** to run.

Problem 3 - When money and speed are the priority, **small models** are the better choice.

Problem 4 - When complex reasoning and depth are needed, **big models** are the better choice.

Problem 5 - Schools in rural areas with weak internet connections may prefer **small models**.

Problem 6 - Researchers who need accurate translations across many languages may prefer **big models**.

Problem 7 - Both small and big models are able to help with **writing**, but both can also make **mistakes**.

Problem 8 - Choosing between small and big models is not about which one is “better,” but about which one **fits** the specific **task**.