Name _____

Prediction Exercise - How Will AI Improve? Answer Key

Scenario A: Photo Classifier

- **Prediction:** Next time the AI sees a golden retriever, it will label it as a dog (and possibly as a golden retriever).

- **Reasoning:** The correction gave the right label and even the specific breed. With that detail, the AI can better distinguish between dogs and lions.

Scenario B: Self-Driving Car

- **Prediction:** Next time the car's sensors detect a stop sign, the AI will stop instead of driving through.

- **Reasoning:** The feedback was clear and urgent (the driver pressed the brakes and gave a rule). The AI will retrain to associate stop signs with the action of stopping.

Scenario C: Voice Assistant

- **Prediction:** The next time the person asks for *"Firework" by Katy Perry,* the AI will play the correct song instead of confusing it with *"Fireworks"* by another artist.

- **Reasoning:** The feedback corrected both the song title and the artist, making the instruction more specific. The AI will retrain to match the request with the right track.