

Spot the AI Mistake

Name: _____ Date: _____ Period: _____

Your job: each answer below came from an AI chatbot, and each one contains a mistake. Find it, fix it, and show how you checked it with a reliable source like your textbook or notes.

AI answer #1

Photosynthesis happens in the mitochondria, where plants use sunlight, water and carbon dioxide to make glucose.

The mistake is:

The correct information is:

How I checked it (source):

AI answer #2

$\frac{3}{4} + \frac{1}{2} = \frac{4}{6}$, because you add the numerators and add the denominators.

The mistake is:

The correct information is:

How I checked it (source):

AI answer #3

A simile compares two things without using "like" or "as." For example: "Her smile was sunshine."

The mistake is:

The correct information is:

How I checked it (source):

AI answer #4

The U.S. government has two branches: Congress and the President.

The mistake is:

The correct information is:

How I checked it (source):

AI answer #5

Sound travels faster through air than through water because air particles are farther apart.

The mistake is:

The correct information is:

How I checked it (source):

Reflect

Which mistake would have been easiest to miss? Why should you check AI answers even when they sound confident?

Answer Key

#	The mistake	Correct information
1	Mitochondria	Photosynthesis happens in the chloroplasts. Mitochondria carry out cellular respiration.
2	Adding the denominators	Use a common denominator: $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$ (or $1 \frac{1}{4}$).
3	Definition and example describe a metaphor	A simile uses "like" or "as" ("Her smile was like sunshine"). The example given is a metaphor.
4	Two branches	There are three branches: legislative (Congress), executive (President) and judicial (courts).
5	Faster through air	Sound travels faster through water (about 1,480 m/s) than through air (about 343 m/s).

Teaching tips

- Model #1 together, then let students work in pairs.
- Ask students which CHECK step helped most, usually "Compare with a reliable source."
- Extension: students ask an AI tool a question from the current unit and check its answer the same way.