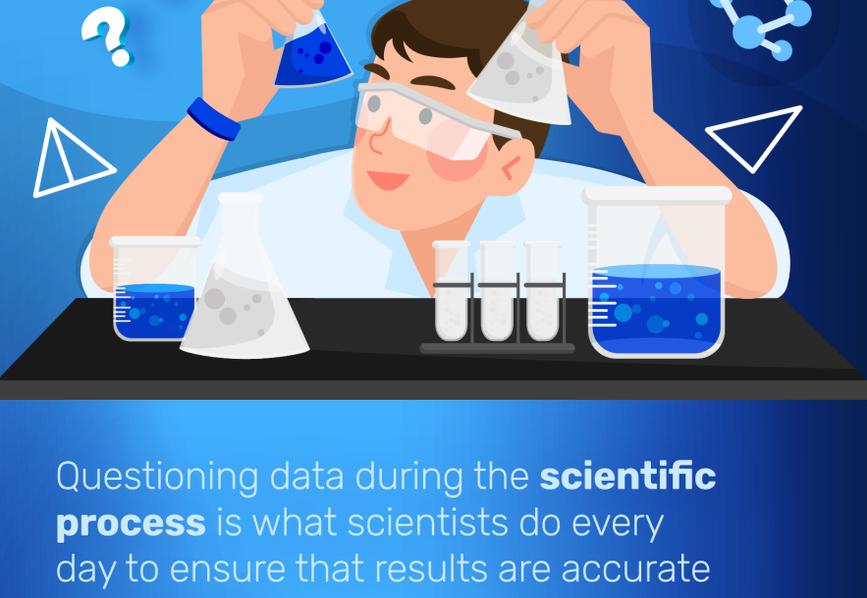


DO YOU QUESTION EVERYTHING? SO DOES SCIENCE.



Questioning data during the **scientific process** is what scientists do every day to ensure that results are accurate and reliable.

Clinical trials have **three rigorous phases** that analyze the drug for:

- 1) Safety
- 2) Efficacy
- 3) Optimized dosage



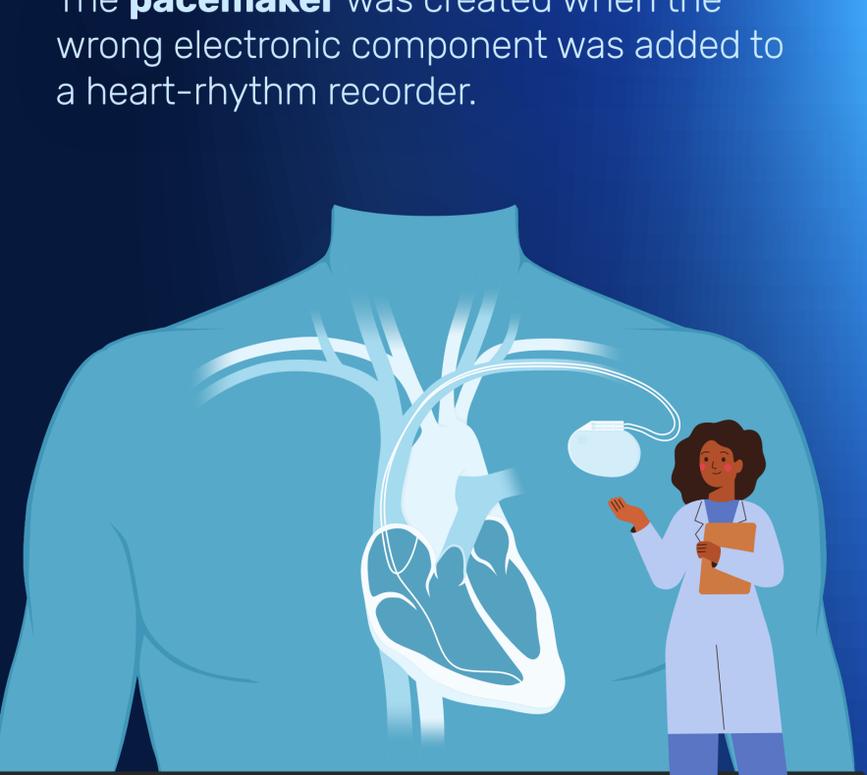
There are many examples in history where unexpected scientific outcomes have led to **marvelous breakthroughs**.

Such as laughing gas parties, which helped bring **anesthesia** into surgery rooms.



Penicillin was discovered from a petri dish that had been left out while Dr Alexander Fleming was on holiday.

The **pacemaker** was created when the wrong electronic component was added to a heart-rhythm recorder.



Questioning everything is how science has advanced over the years, and often comes from scientists **analyzing** their results and **thinking critically** about the best application based on the data available.

