

PITCHING AND AERODYNAMICS

SCIENCE • TECHNOLOGY • ENGINEERING • MATH

What is the difference between a fastball and a curveball?



Grip

How the pitcher holds the ball

Release Point

Where the ball leaves the pitcher's hand

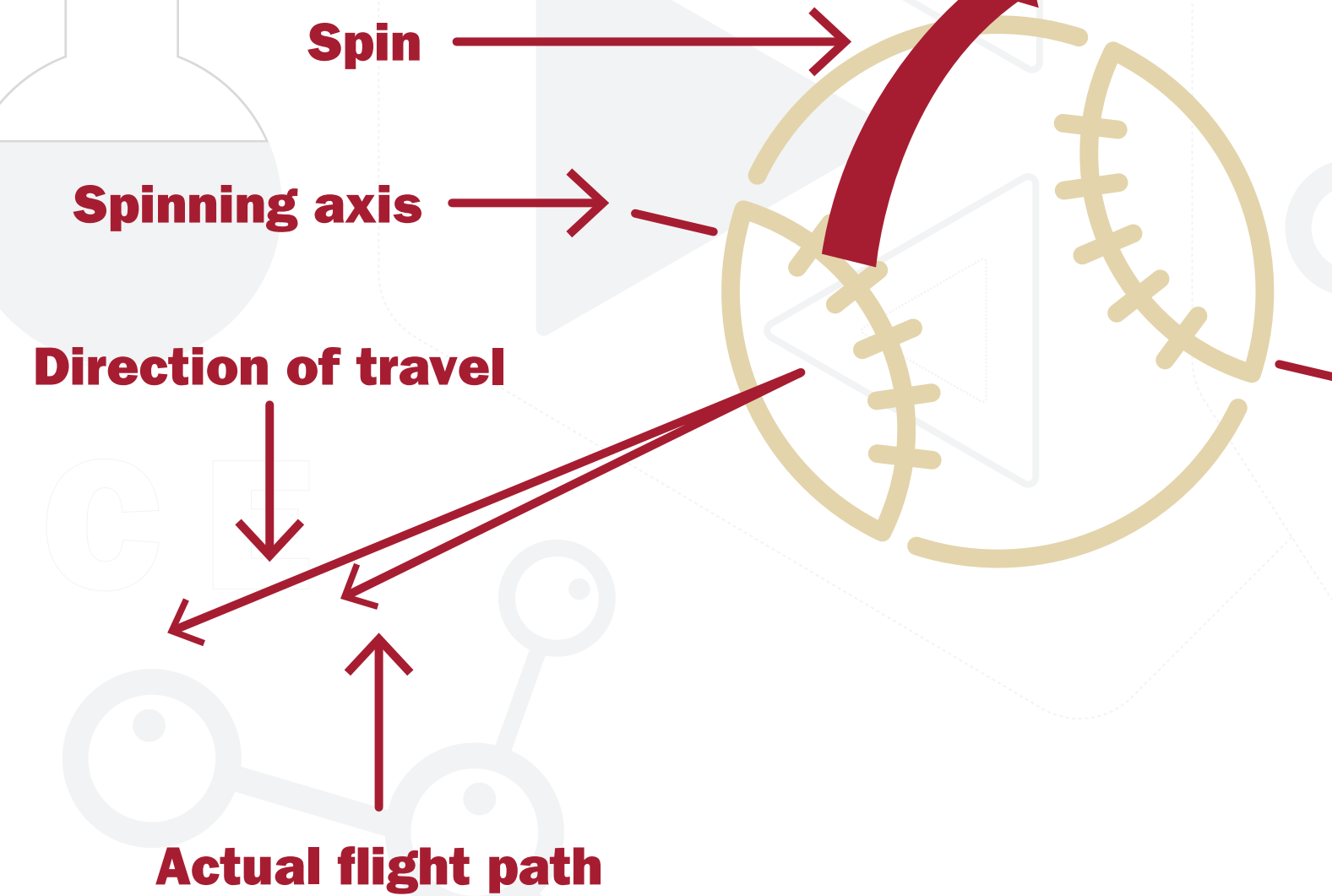
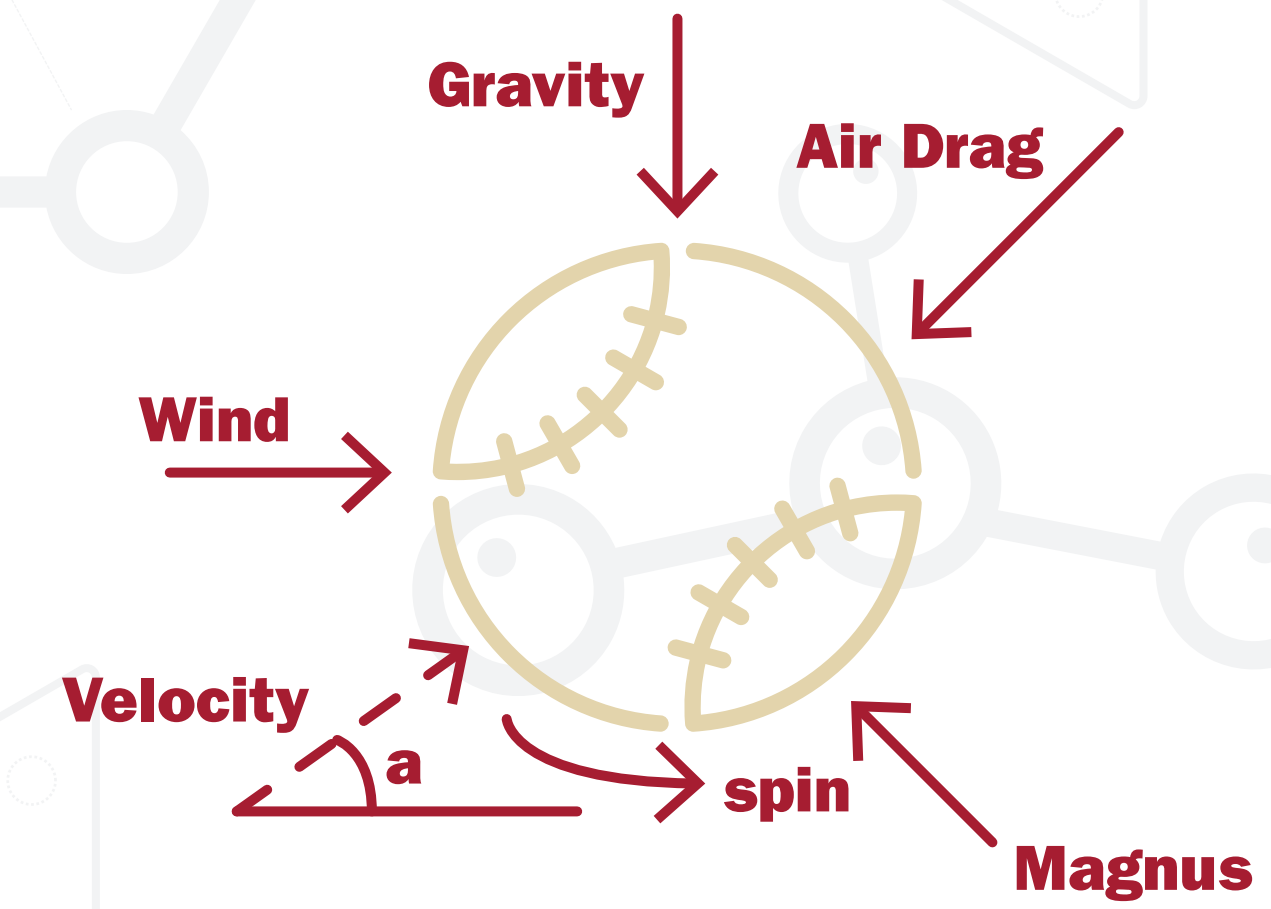
Spin

How the ball is rotating



Flight Path

The direction it is traveling



Fastball

Has **backspin** and more air pressure under the ball. Result ball falls **slower** than expected so it can appear to **rise**.

Curveball

Has **topspin** and more air pressure over the ball. **Result** ball falls at a **faster** rate than expected.

