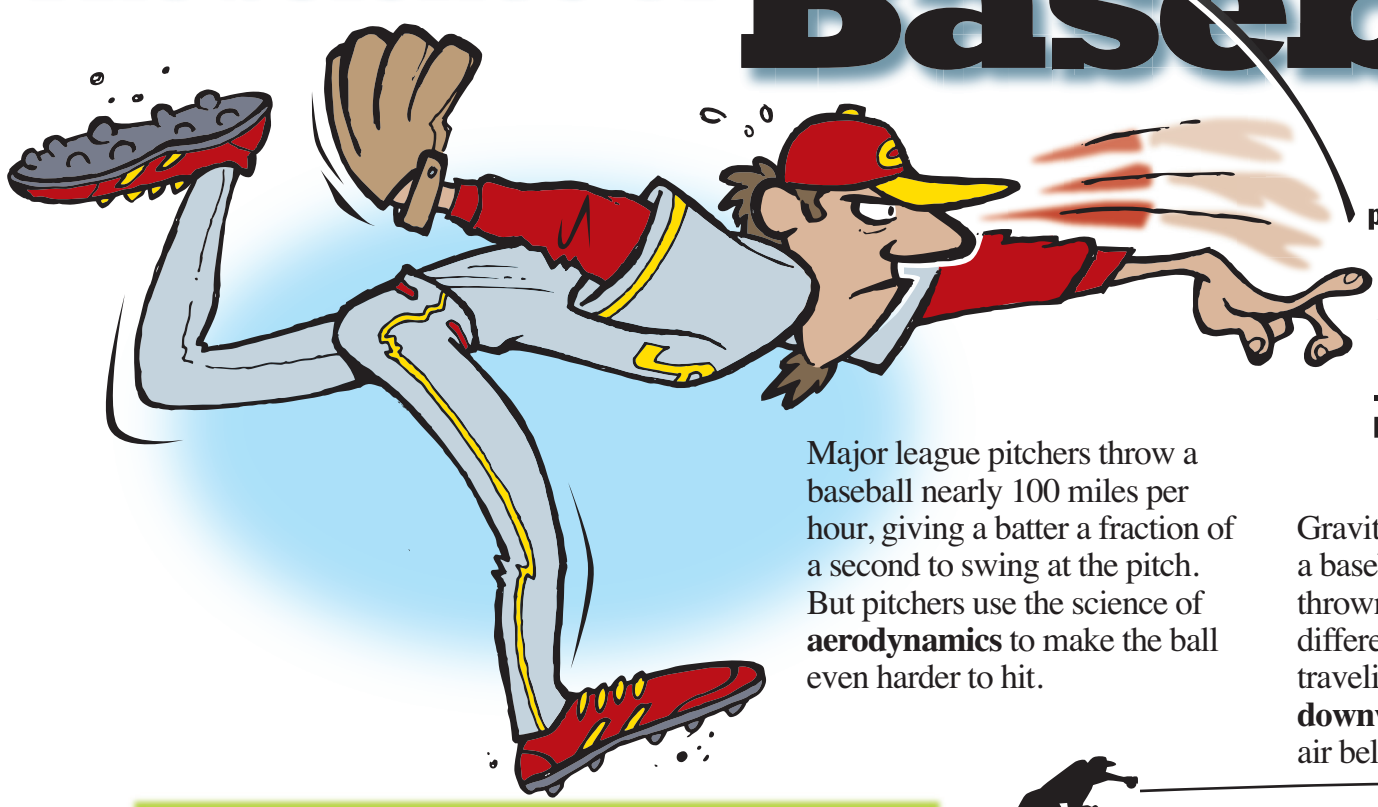


The Science of Baseball

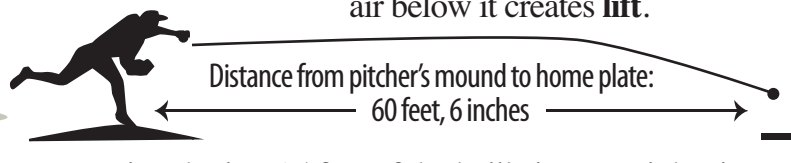


SPIN pushes air above the ball down ...

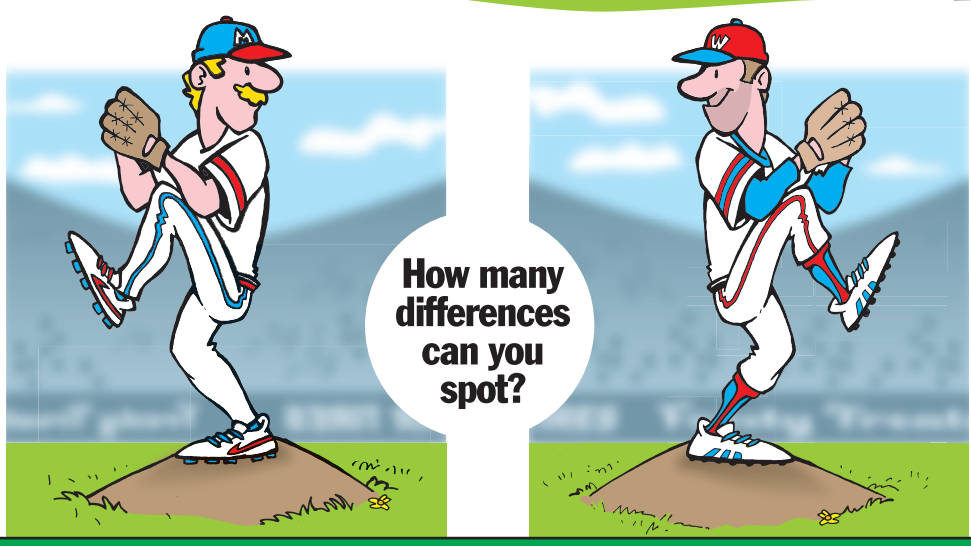
... air below the ball pushes up to create **LIFT!**

Major league pitchers throw a baseball nearly 100 miles per hour, giving a batter a fraction of a second to swing at the pitch. But pitchers use the science of **aerodynamics** to make the ball even harder to hit.

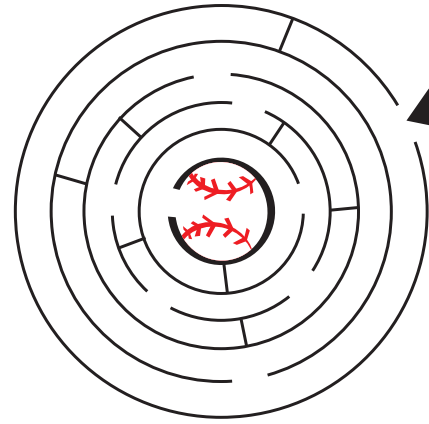
Gravity is always pulling a baseball downward once it's thrown. Pitchers grip the ball in different ways to create spin. Air traveling above the ball is forced **downward** by the spin, and the air below it creates **lift**.



During the last 15 feet of the ball's journey, it begins to curve downward or sometimes to the left or right, depending on the type of pitch. The batter must begin swinging before the ball begins to curve. It's not easy to be a big league hitter!

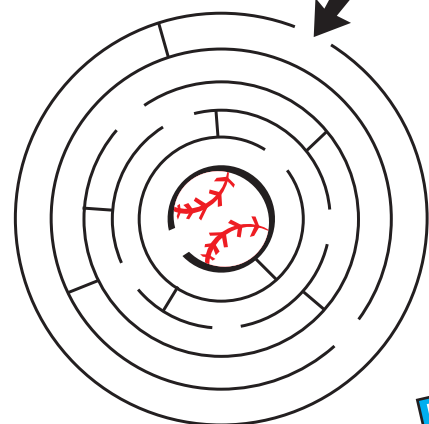


How many differences can you spot?



Three strikes, you're out!

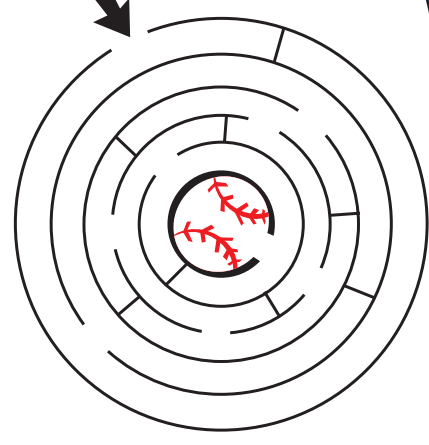
Have a friend time you. Can you get to the center of each maze in less than 10 seconds? If you can, score a hit for each one you complete. If not, it's an out.



Extra! Extra!

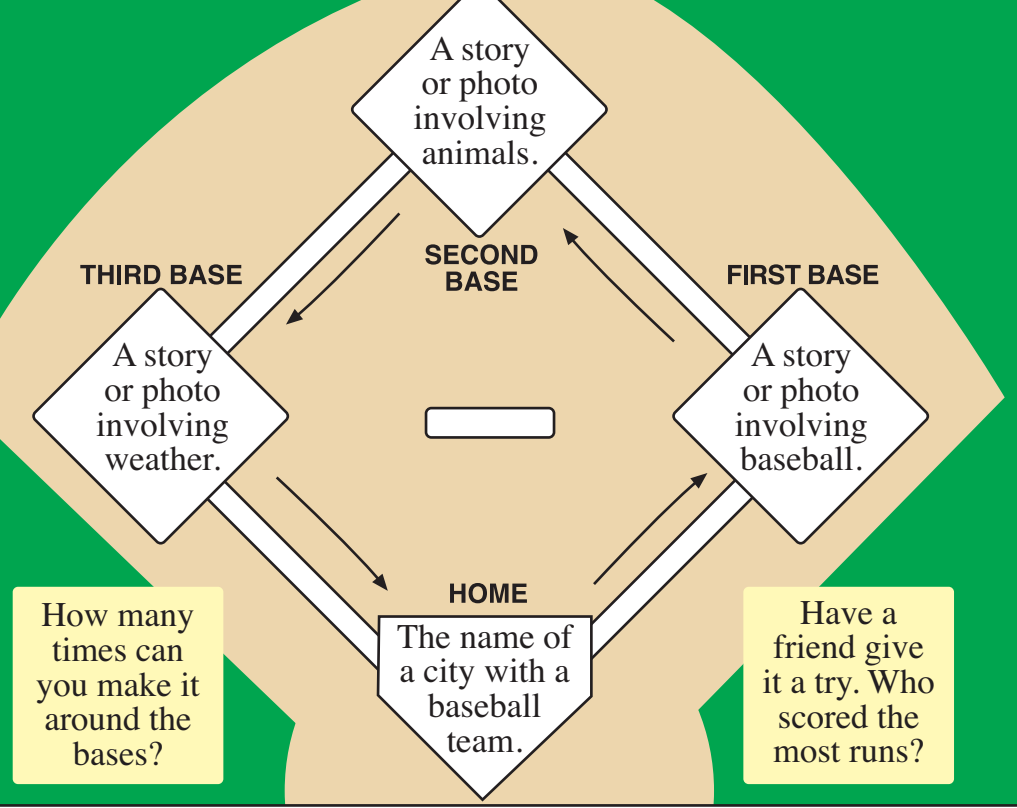
Action! Look at the sports pages of the newspaper. Try to take and hold the pose of the people in the photographs.

Standards Link: Physical Education: Use control in balance activities on a variety of body parts.



Play Newspaper Baseball!

Can you hit a home run? It's easy! Just find the item in each base and on home plate in your newspaper. Complete all four and it's a home run!



Standards Link: Research: use the newspaper to locate information.

Kid Scoop Puzzler

When you're batting, the perfect place to hit the baseball is a section of the bat about 6 to 8 inches from the end of the barrel, where vibration is reduced and batted-ball speed is the highest. Hitting the ball with this part of the bat will give your hit maximum power and distance.

Use the code to discover the name given to this part of a baseball bat.

Code:
 ■=E ■=S
 ■=O ■=T
 ■=P ■=W

Sequence:
 ■ ■ ■ ■ ■
 ■ ■ ■ ■

Double Double Word Search

PITCHER
BASES
CURVE
GRIP
LIFT
EASY
SWING
GRAVITY
AIR
THROW
SCORE
BALL
MOUND
HIT
OUT

Find the words in the puzzle. Then look for each word in this week's Kid Scoop stories and activities.

M	J	P	L	S	C	O	R	E	W
B	S	E	I	G	N	I	W	S	O
G	A	K	F	T	B	E	Y	L	R
R	O	L	T	W	C	Z	A	N	H
A	U	G	L	U	N	H	K	S	T
V	T	V	R	B	A	S	E	S	Y
I	W	V	Q	I	D	J	H	R	P
T	E	B	A	S	P	D	I	L	O
Y	D	N	U	O	M	A	T	A	G

Standards Link: Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.

OAKLAND THASICTEL

LOS ANGELES SAGLEN

SEATTLE RAINRESM

TEXAS GARESRN

HOUSTON SATSOR

MILWAUKEE WEBSRER

ST. LOUIS LANSRADCI

CINCINNATI SDER

PITTSBURGH RIPSATE

CHICAGO BUCS

TORONTO JULS ABEY

BALTIMORE SLIROEO

NEW YORK EKENSAY

BOSTON REX SDO

TAMPA BAY SYAR

DETROIT REGITS

KANSAS CITY LARSOY

CLEVELAND DINSANI

MINNESOTA SWINT

CHICAGO HITSO WEX

SAN FRANCISCO NAGSIT

LOS ANGELES REDSOGD

COLORADO ERICKSO

SAN DIEGO SEDRAP

ARIZONA BOKSMADINAC

WASHINGTON TONILAASN

ATLANTA RABSEV

MIAMI NIARMSL

NEW YORK STEM

PHILADELPHIA HIPLIELS

FROM THE Kid Scoop LESSON LIBRARY

The Game Game

Find an article about a baseball game in the newspaper. What was the score? By how many runs did the winning team win? Find the place where the game was played on a map. How far is that place from your home?

Standards Link: Reading Comprehension: Demonstrate comprehension by responding to questions.

What do you get when you cross a baseball pitcher with a carpet?

ANSWER: A throw rug.

Write On!

BATTER UP!

The game was tied at the bottom of the ninth inning. It was my turn at bat and the fans were going crazy ... *Finish this story.*