Trivia about Time & Travel

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Answers VBS

TIME LAB

Do you know how long it takes the average person to fall asleep?

Answers VBS

TIME LAB

7 minutes

Answers VBS
TIME LAB

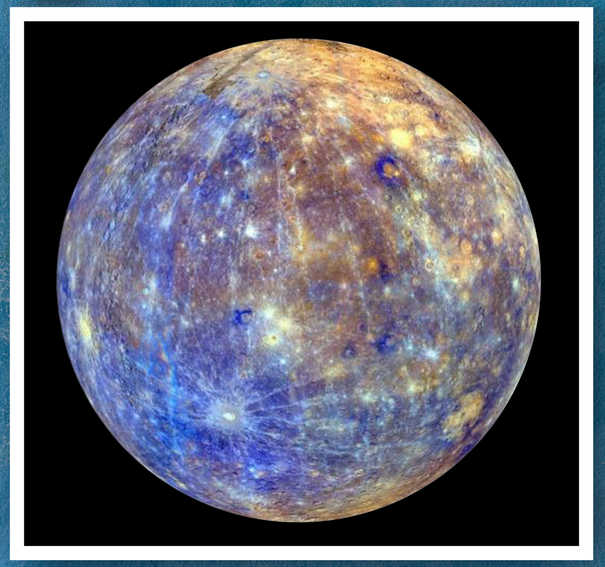
How long is a day?
Did you say 24 hours?

Answers VBS
TIME LAB

In reality, it's more like
23 hours, 56 minutes,
and 4.2 seconds.
But who's counting?

Answers VBS
TIME LAB

How long do you think a day is on the planet Mercury?



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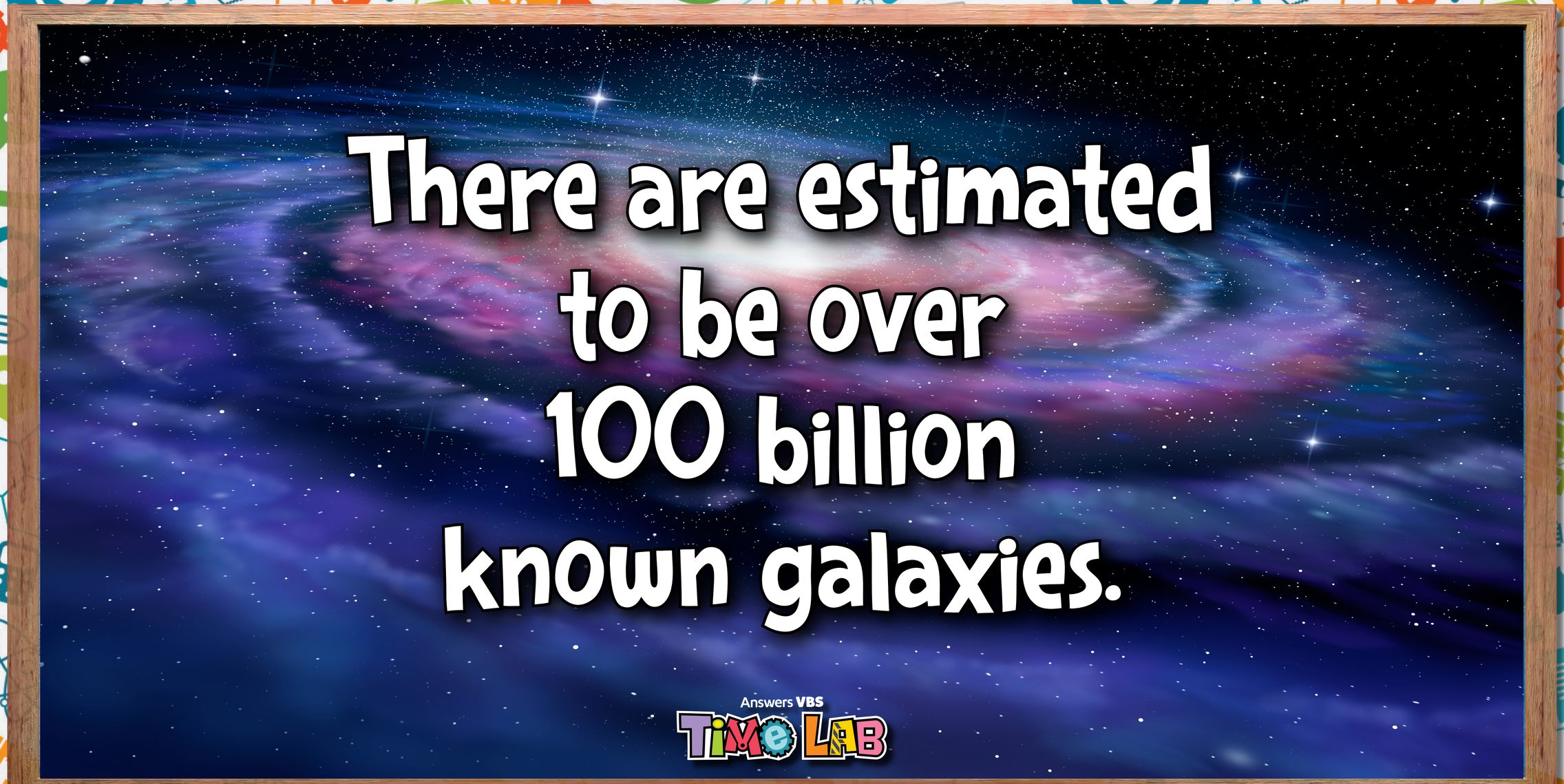
TIME LAB

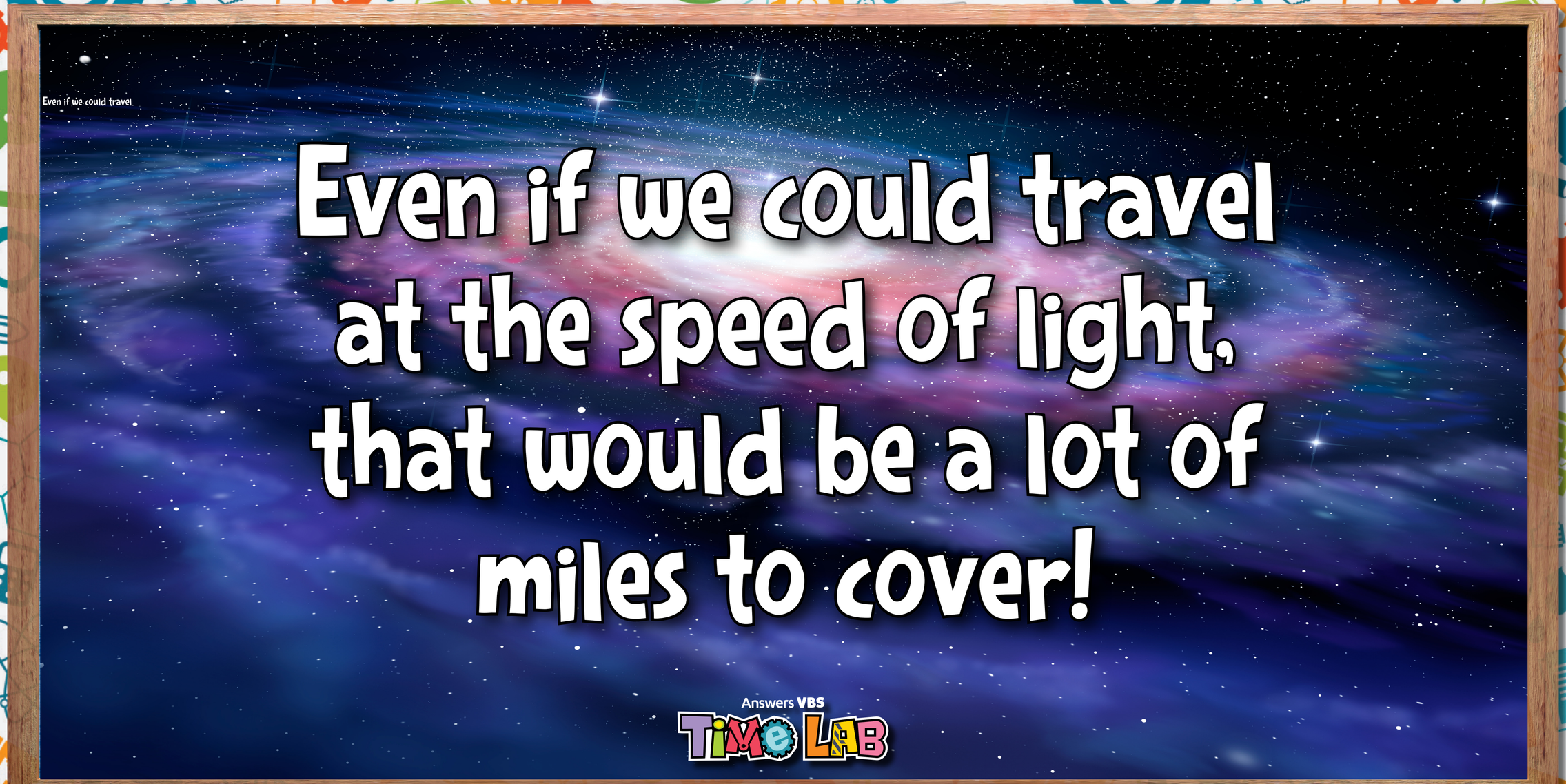
About 176 earth days
Answers VBS
TIME LAB

When was the last time you had hiccups?

Answers VBS
TIME LAB

For future reference,
a bout of hiccups
usually lasts
about 5 minutes.

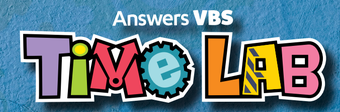

There are estimated
to be over
100 billion
known galaxies.
Answers VBS
TIME LAB


Even if we could travel
Even if we could travel at the speed of light, that would be a lot of miles to cover!
Answers VBS
TIME LAB

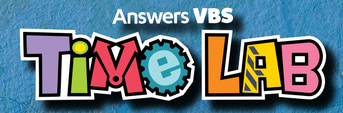
What time do you get up in the morning?

Answers VBS
TIME LAB

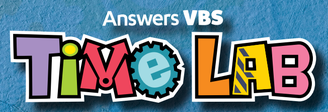
If it's after 8 a.m.
you are in
a small minority!

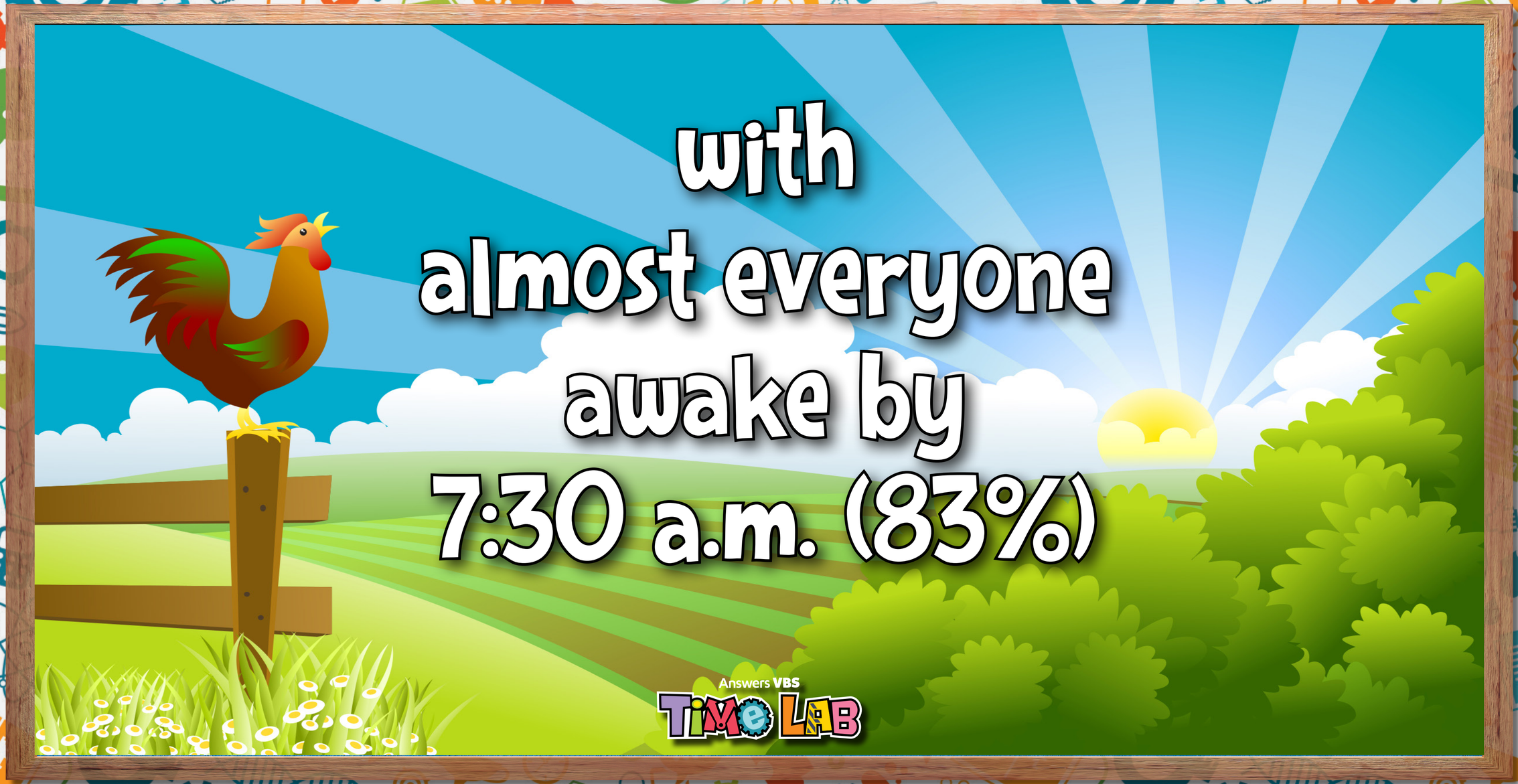


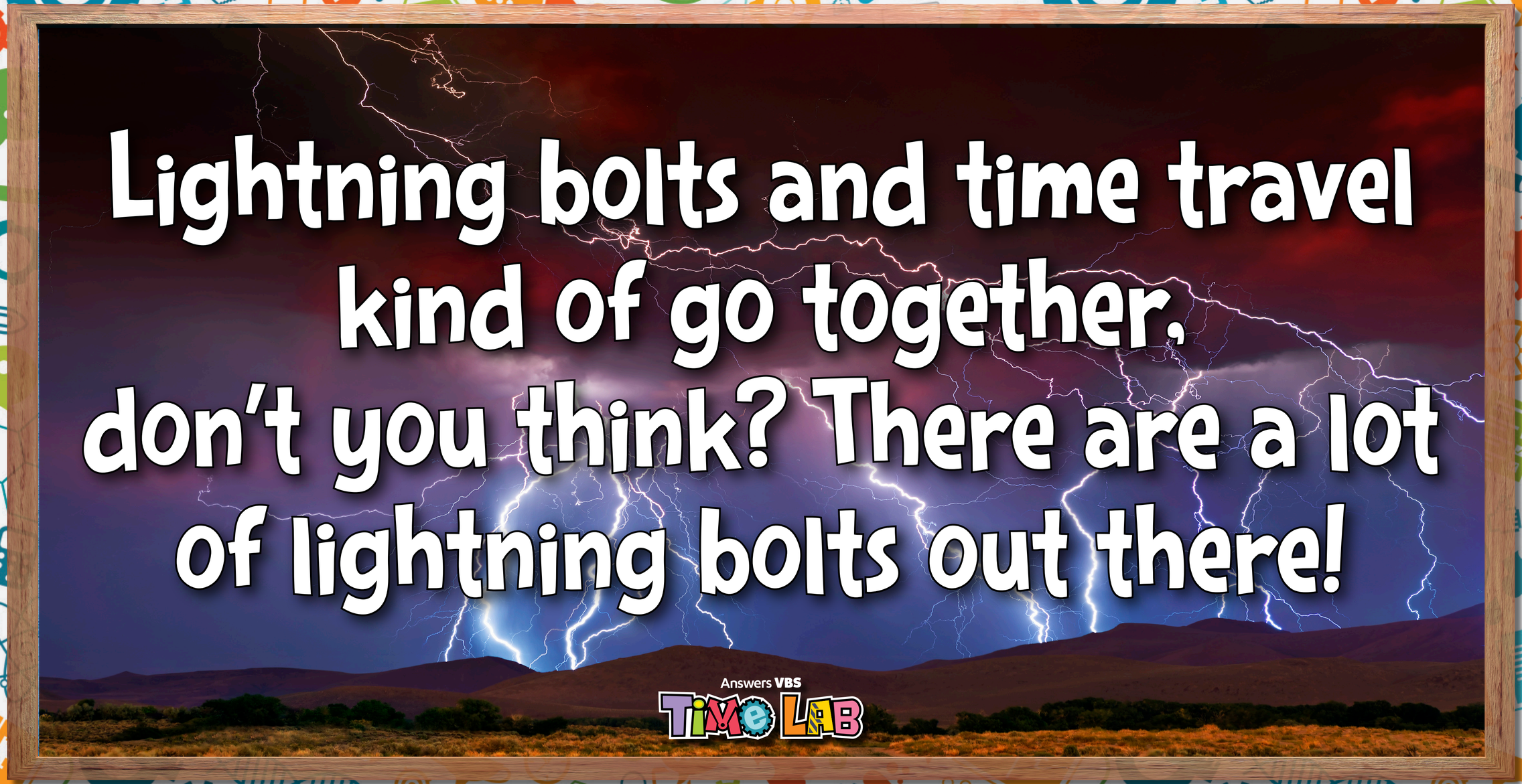
According to
one research study,
one out of five people
is awake by 5:30 a.m.



The peak
wake up time
is between
6:00 and 6:30 a.m.
(23%)

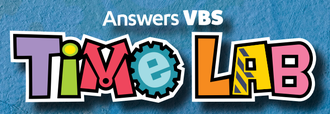



with
almost everyone
awake by
7:30 a.m. (83%)
Answers VBS
TIME LAB


Lightning bolts and time travel
kind of go together,
don't you think? There are a lot
of lightning bolts out there!
Answers VBS
TIME LAB

In fact,
more than 100 lightning bolts
strike the earth
every second.
Answers VBS
TIME LAB

Since an earth day is slightly less than 24 hours, once every four years (with a rare exception) we add an extra day in what is called a Leap Year.

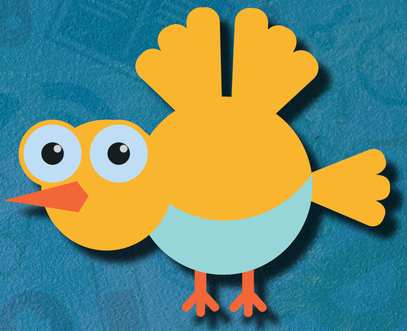


That helps to make up that little bit of lost time (which is due to the earth taking a little longer than 365 days to go around the sun each year).

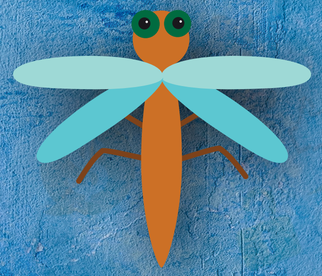
Leap Day is an extra day added to February every 4 years!

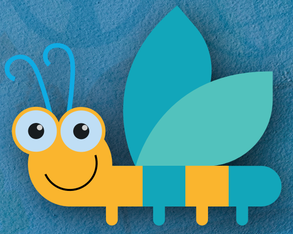
Answers VBS
TIME LAB

Can you think of any creatures that can fly?



Did you say insects, birds, and bats? They are the only living things capable of flight.





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TIME LAB

But in the not-too-distant past, flying reptiles were also around!

Answers VBS
TIME LAB

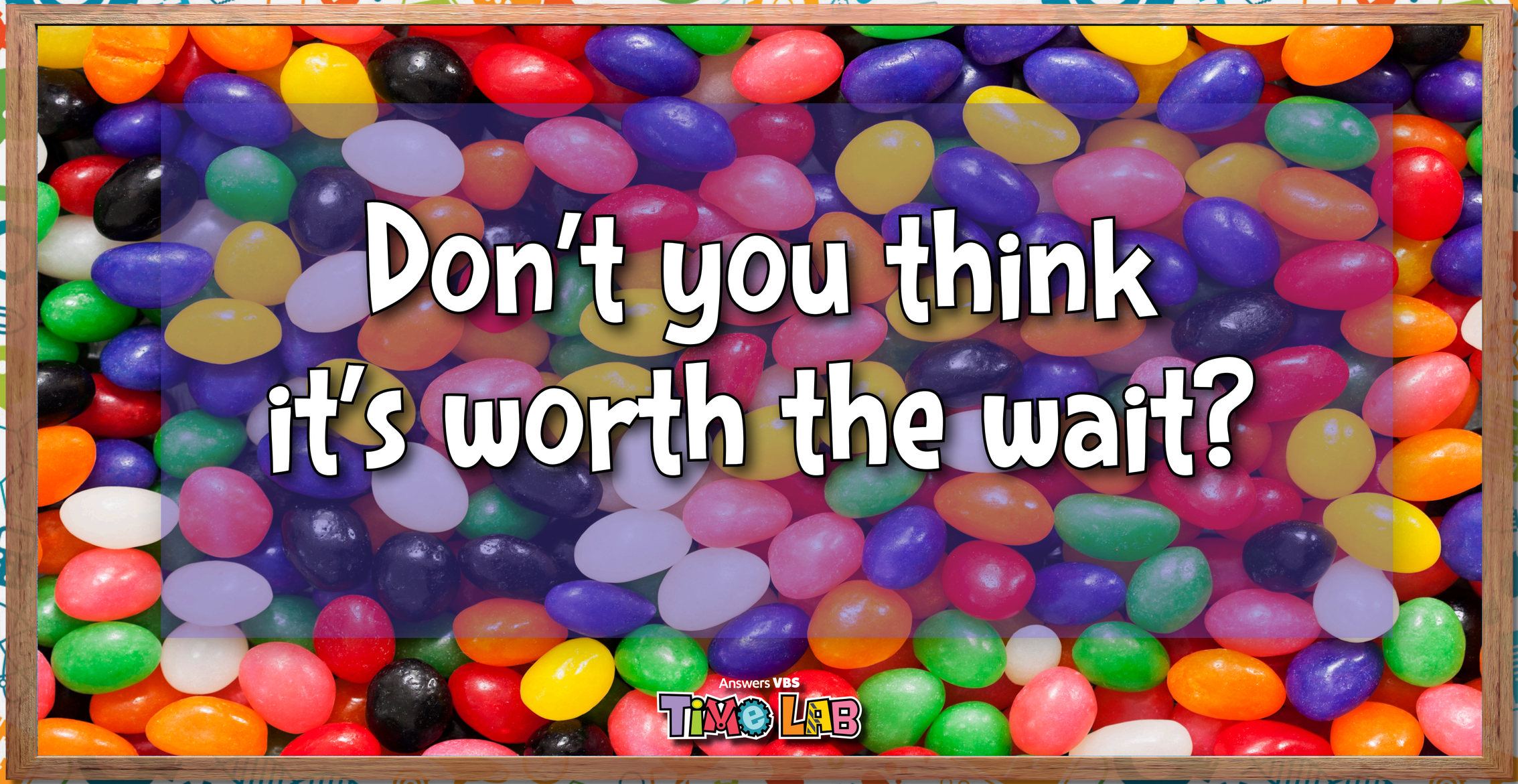
Maybe we should rename the flying squirrel because it can't technically fly, but instead it glides.

Answers VBS
TIME LAB

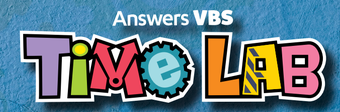
Bats are the only mammals that can truly fly.

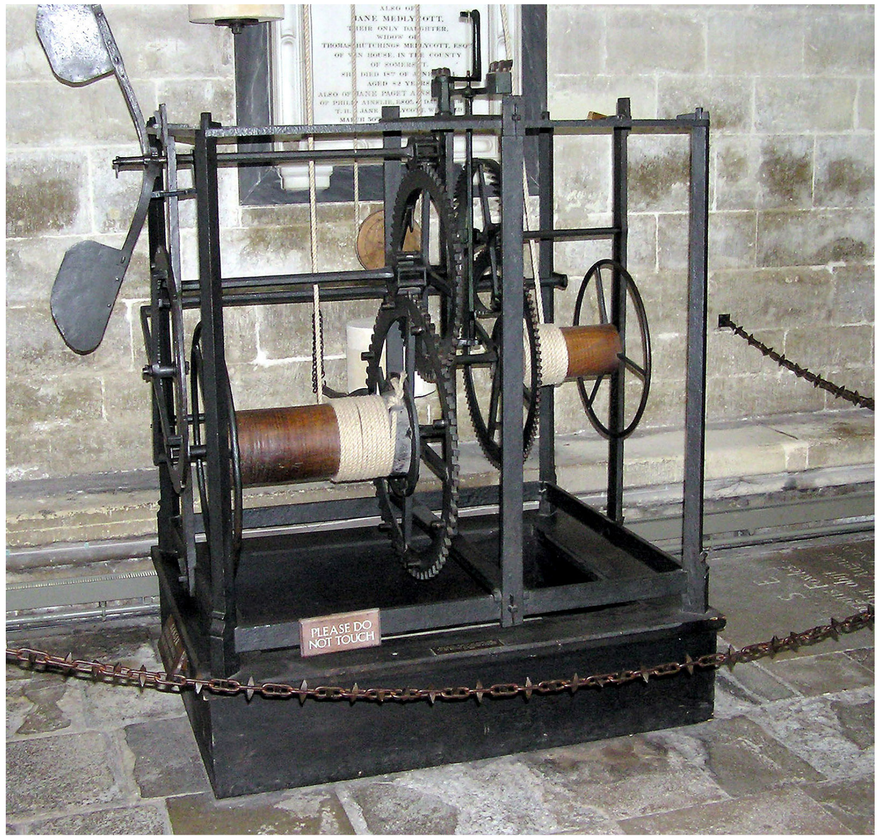
Answers VBS
TIME LAB

Did you know
it takes ONE WEEK
to make a jelly bean?
Answers VBS
TIME LAB


Don't you think
it's worth the wait?
Answers VBS
TIME LAB

If you want to see the oldest clock in the world (created in 1386), hop on a plane and travel to Salisbury, England.

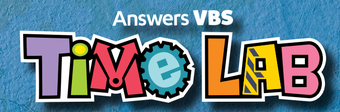




Here's a photo if you can't make the trip!

Answers VBS
TIME LAB

Do you like to sleep?
Good, because
the average person
spends 25 years
of his life asleep.



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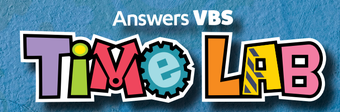

Guess what airships and blimps are filled with?

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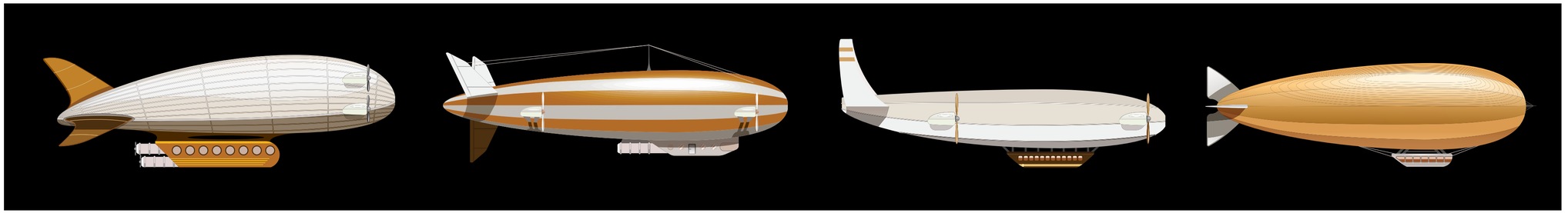
TIME LAB

Typically, it's a gas such as helium (the stuff we fill party balloons with).

Answers VBS
TIME LAB

Helium is lighter than air and allows blimps to rise and float, kind of like the balloons.



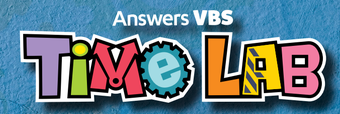
Answers VBS
TIME LAB

Imagine driving to the sun.

(Bad idea—major sunburn!)

Answers VBS
TIME LAB

But if you could drive to the sun at a speed of 55 miles per hour, it would take around 193 YEARS to get there.



Have you ever seen a sundial?

Answers VBS
TIME LAB

In ancient times, people used them to tell time.

Answers VBS
Time Lab

As you may guess, the sun is involved with this method of telling time. A sundial contains a "gnomon" (the thing in the middle) that casts a shadow onto a platform etched with different times.

And in case you are wondering
how they could figure out
what time it was after dark . . .
you guessed it!
They used the stars!

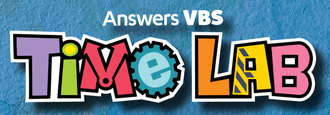
Isn't the word "nanosecond" cool?

NANOSECOND

noun: nan·o·sec·ond

one billionth of a second

(1,000,000,000th)!



Did you know there are

31,536,000

seconds in a year?

Do you know how
we figured that out?

"Biomimicry"

Inventions Inspired by God's Design

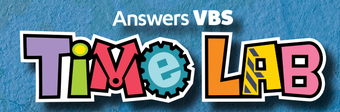
Answers VBS

Time Lab

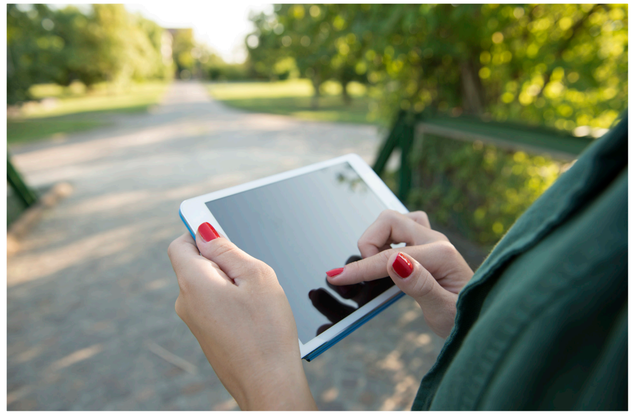
Burrs and Velcro®

Answers VBS
TIME LAB

Here's an idea that really "stuck"! When walking through the woods, inventor George de Mestral noticed seed burrs clinging to his clothes. After studying them closer, he came up with the idea of Velcro®.



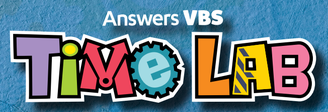
Butterfly wings and seeing computer screens in daylight



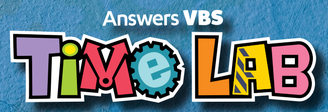
cutting-edge technology in progress . . .

Answers VBS
TIME LAB

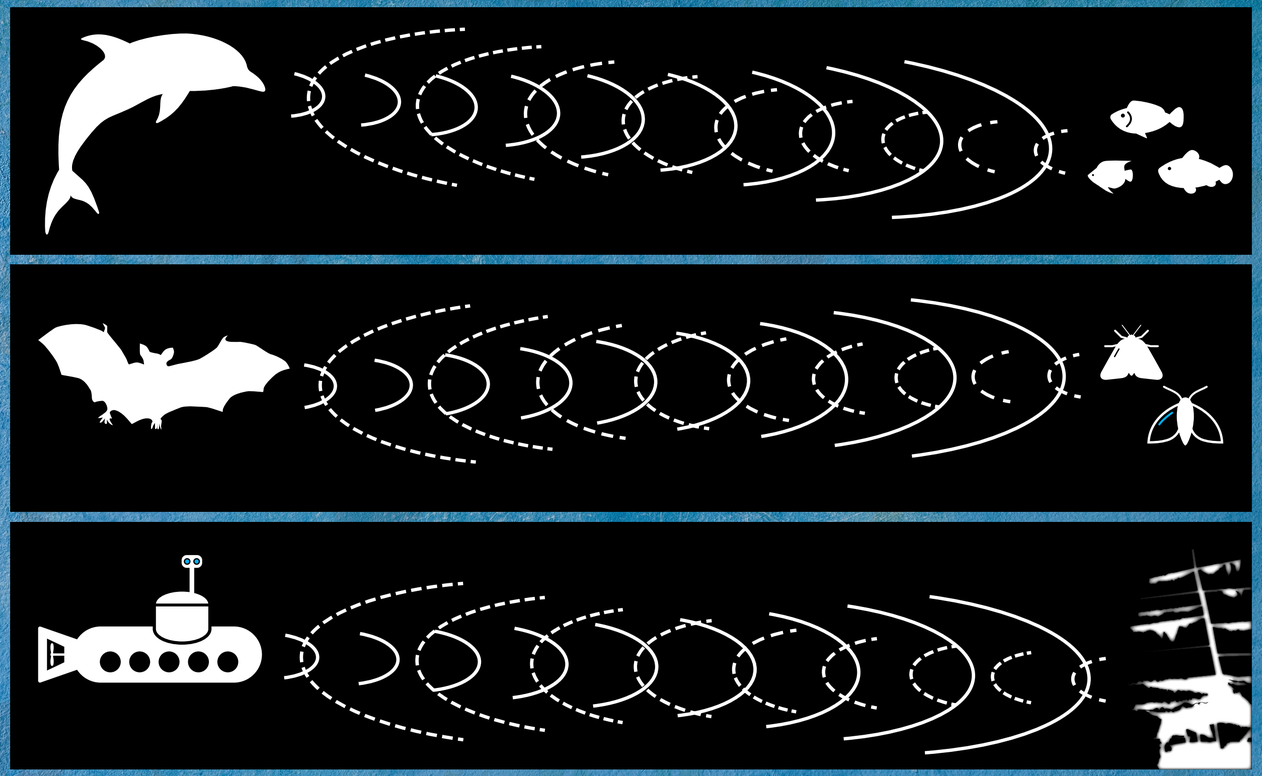
Ever have trouble seeing your computer screen in bright sunlight? Scientists noticed that God made butterfly wings to shine colorfully even in direct sunlight.



They are studying them
to help design computer screens
that are bright
no matter what time of day.

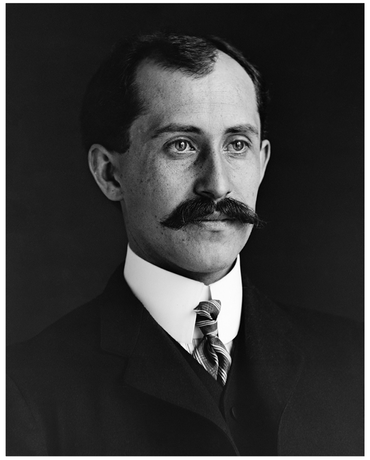


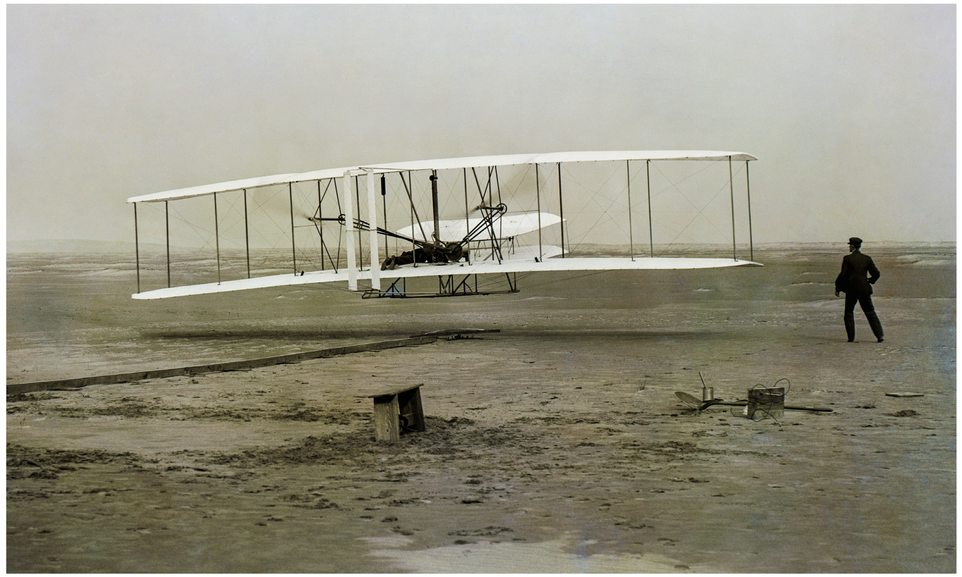
Echolocation and Sonar

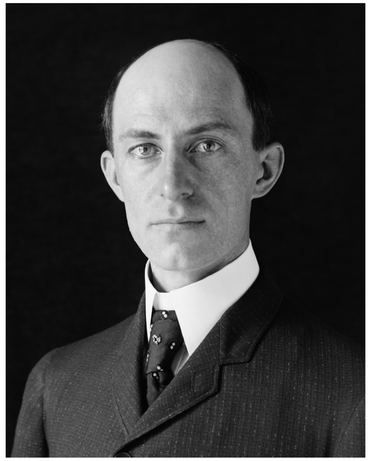


Answers VBS
TIME LAB

Ever heard of the Wright brothers, Orville and Wilbur?



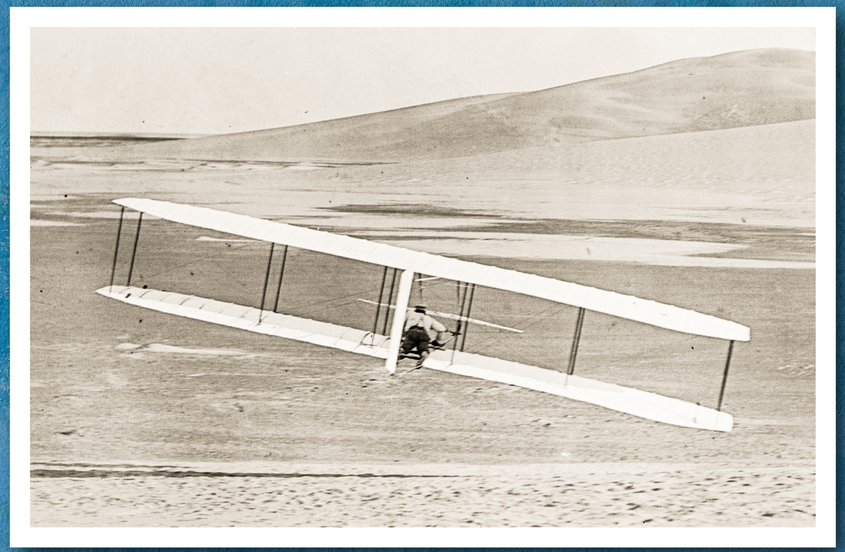




Answers VBS

TIME LAB

They studied birds to figure out how to build flying machines.



Answers VBS
TIME LAB

Do you know what a gecko looks like?
Yeah, it's like that little critter
on the GEICO® commercials!

Answers VBS
TIME LAB

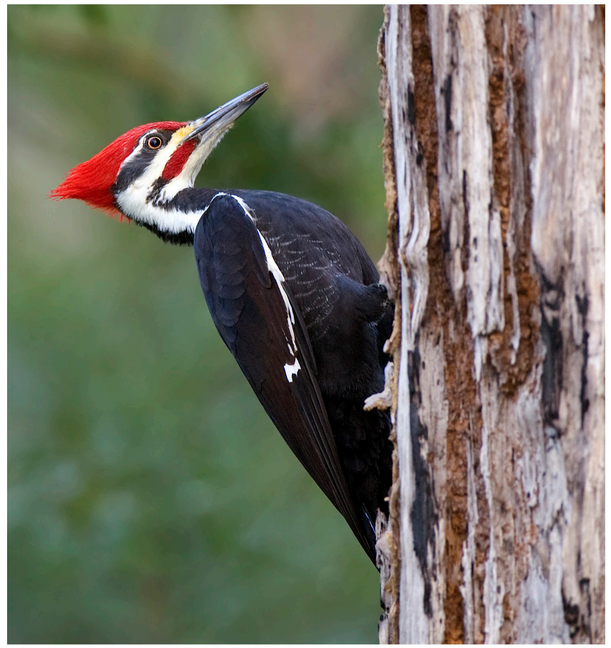
Geckos' toe pads stick to anything, allowing them to climb on ceilings and glass.

Answers VBS
TIME LAB

Scientists are working to create adheshive plastics that can adhere and easily release like gecko toe pads.

Answers VBS
TIME LAB

Woodpecker heads and ice axe design



Answers VBS
TIME LAB

The self-cleaning lotus

Answers VBS

TIME LAB

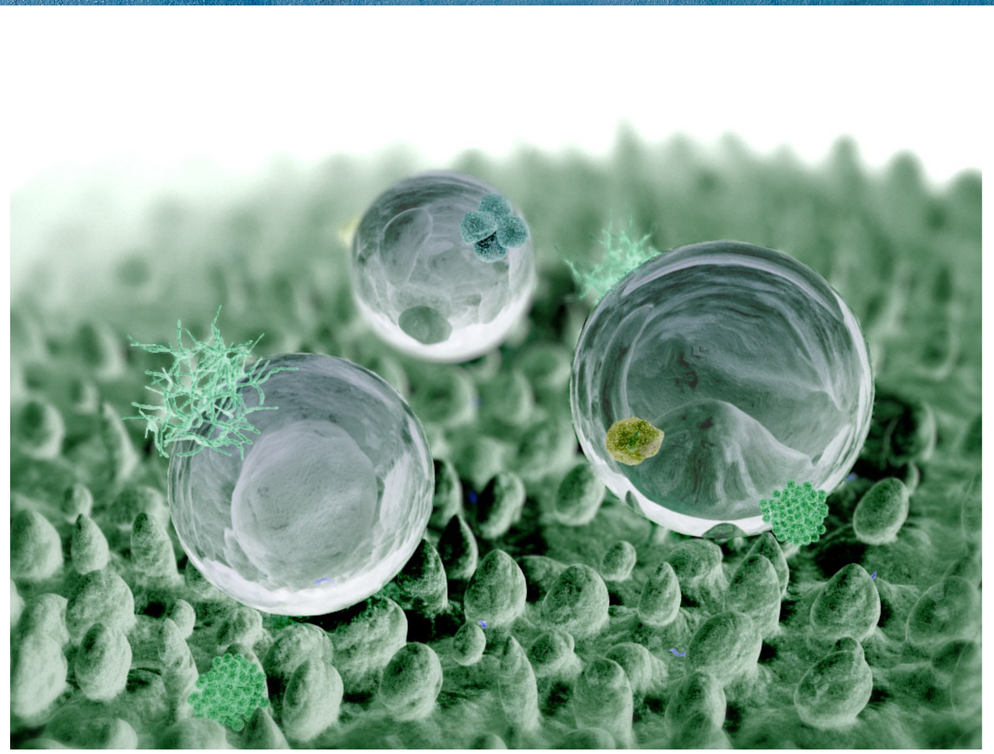


Illustration: William Thielicke. Creative Commons via Wikipedia

The micro- and nano-structures of lotus leaves keep dirt from sticking to them.

Answers VBS
TIME LAB

Raindrops bead up, trapping the dirt inside. The angle of the leaves causes the dirty water to roll right off.

Answers VBS
TIME LAB

This is called the "Lotus Effect."
Look for paints, fabrics, roofing, and other surfaces that can stay dry and clean themselves that are available now.

The Kingfisher-inspired Bullet Train

Answers VBS
TIME LAB

Accidental Inventions

Answers VBS

Time Lab

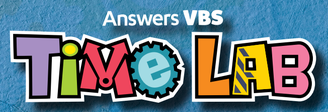
Post-It® Notes

Answers VBS
TIME LAB

Post-it® notes. These handy little notes stick to just about anything. Originally, the inventor was supposed to come up with a really strong sticky substance.

Answers VBS
TIME LAB

But instead, he came up with
a really weak substance
that wouldn't permanently stay stuck.



Then someone got the idea
to put the sticky substance on paper,
so the paper could
be peeled off and on.

Everyone loved it, and Post-it® notes were born!

Answers VBS
TIME LAB

Do you own a Slinky®?

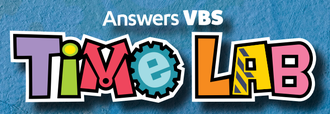
Answers VBS
TIME LAB

An engineer named Richard James invented the Slinky®. He intended for it to be used on naval ships during World War II to stabilize instruments on the ship.

Answers VBS
TIME LAB

While Richard was working
on his invention,
the spring fell on the floor
and sprang along!

A new idea was born, and Richard decided to turn it into a children's toy instead.



The Milk Duds® Story

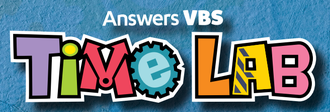
Answers VBS
TIME LAB

Milk Duds® were first thought to be duds!

Answers VBS
TIME LAB

The machine was supposed to be making round candies, but they kept coming out in oval shapes.

A worker called them "duds" because they weren't round.



People loved them anyway,
so they just went with the name
"Milk Duds®"
and continued to make them.

The Silly Putty® Story

Answers VBS

TIME LAB

Have you ever played with Silly Putty®?

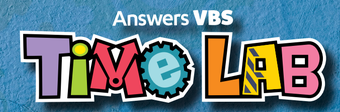
Answers VBS
TIME LAB

This fantastic putty was accidentally invented during World War II by an engineer trying to find a substitute for synthetic rubber.

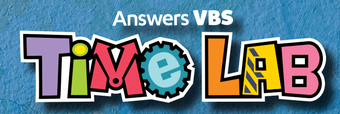
When he dropped boric acid into silicone oil, it made a stretchy and bouncy compound.

Answers VBS
TIME LAB

The strange thing was
it could also pull
the print off a newspaper
if it landed there.



Called Nutty Putty at first, it eventually became known as Silly Putty® and has been a favorite ever since.

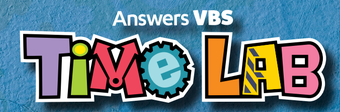


Wonderful Safety Glass

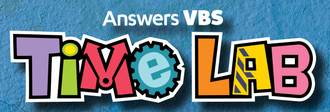
Answers VBS

TIME LAB

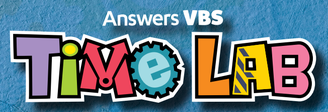
Aren't you glad
someone invented safety glass
that won't shatter and spread
all over the place when broken?



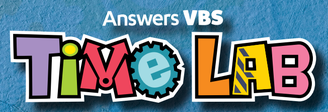
A French chemist named Edouard Benedictus accidentally knocked over a flask.



It broke but stayed
in the shape of the flask
without sending pieces of glass
flying everywhere.

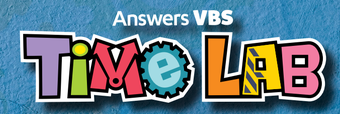


Edouard remembered that the flask contained cellulose nitrate. It coated the inside of the flask causing it to remain intact.



A new idea was born
and safety glass
is now widely used.

Windshields, skyscraper windows, bank windows, shower doors, and many other things are now made with safety glass.



Famous Scientists and Inventors Who Believed in the Bible

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Samuel Morse (Painter & Inventor)

Ever heard of Morse Code?

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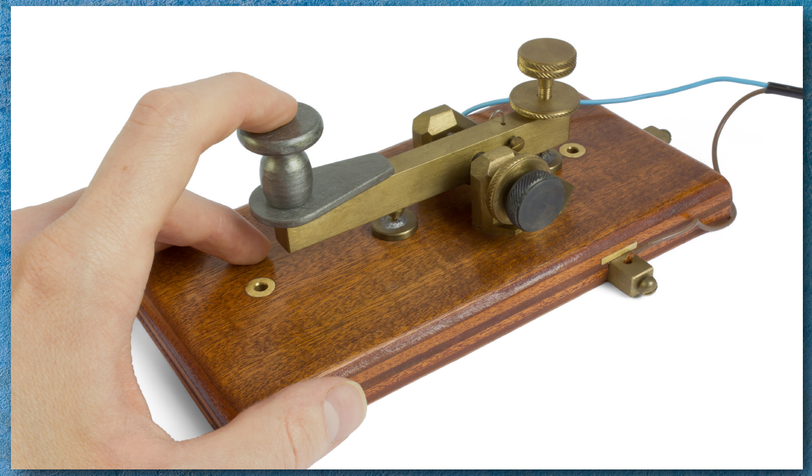
A	● —		N	— ●		1	● — — — —				
B	— ● ● ●		O	— — —		2	● ● — — —				
C	— ● — ●		P	● — — ●		3	● ● ● — —				
D	— ● ●		Q	— — ● —		4	● ● ● ● —				
E	●		R	● — ●		5	● ● ● ● ●				
F	● ● — ●		S	● ● ●		6	— ● ● ● ●				
G	— — ●		T	—		7	— — ● ● ●				
H	● ● ● ●		U	● ● —		8	— — — ● ●				
I	● ●		V	● ● ● —		9	— — — — ●				
J	● — — —		W	● — —		0	— — — — —				
K	— ● —		X	— ● ● —							
L	● — ● ●		Y	— ● — —							
M	— —		Z	— — ● ●							



It was invented by Samuel Morse, the same guy who also invented the telegraph.

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He did not see any conflict between his scientific knowledge and Christianity—in fact, quite the reverse.

Samuel Morse as quoted in: J. H. Tiner, Samuel F.B. Morse—Artist with a Message, 1987, Mott Media, Milford, Michigan, USA, p. 163.

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Morse remained a humble Christian to the end of his days, describing his life's work by saying,

"It is His work. Not unto us, but to Thy Name, O Lord, be all the praise."

Samuel Morse as quoted in: J. H. Tiner, Samuel F.B. Morse–Artist with a Message, 1987, Mott Media, Milford, Michigan, USA, p. 164.

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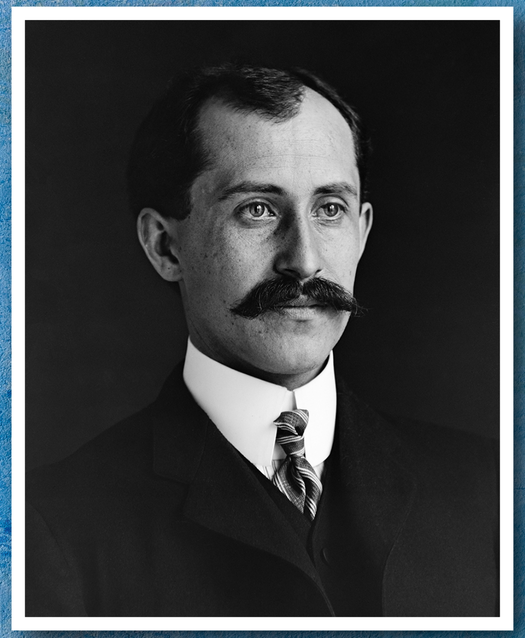
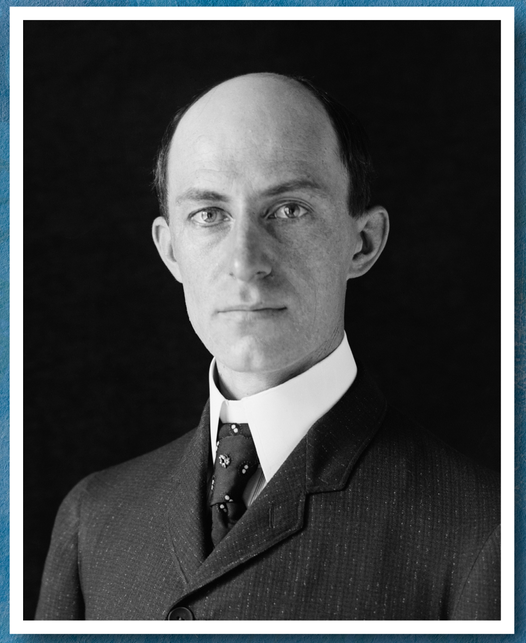
The Wright Brothers (Inventors)





Ever flown in an airplane?

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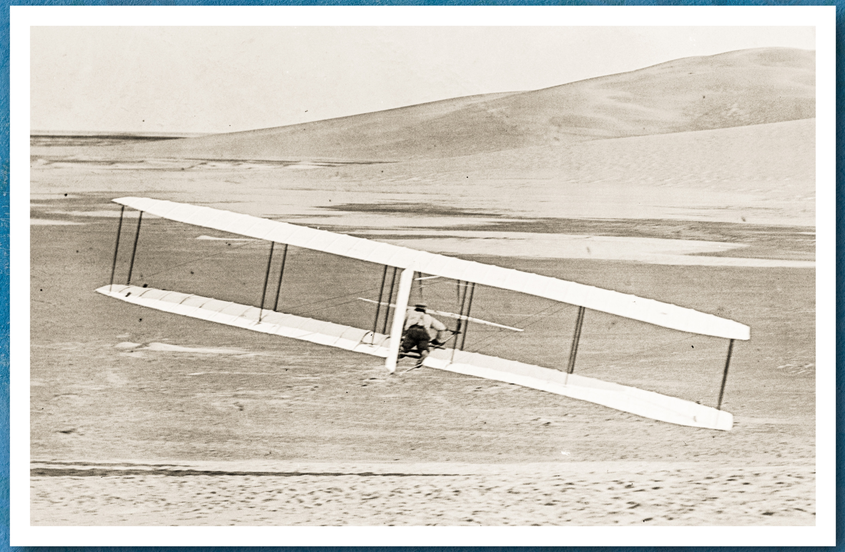
You can thank
the Wright brothers,
Orville and Wilbur,
if you have.

They studied birds and eventually came up with the idea of the plane.



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They believed in God and used his creations to give them ideas.

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Sir Isaac Newton

You may have heard of this guy.

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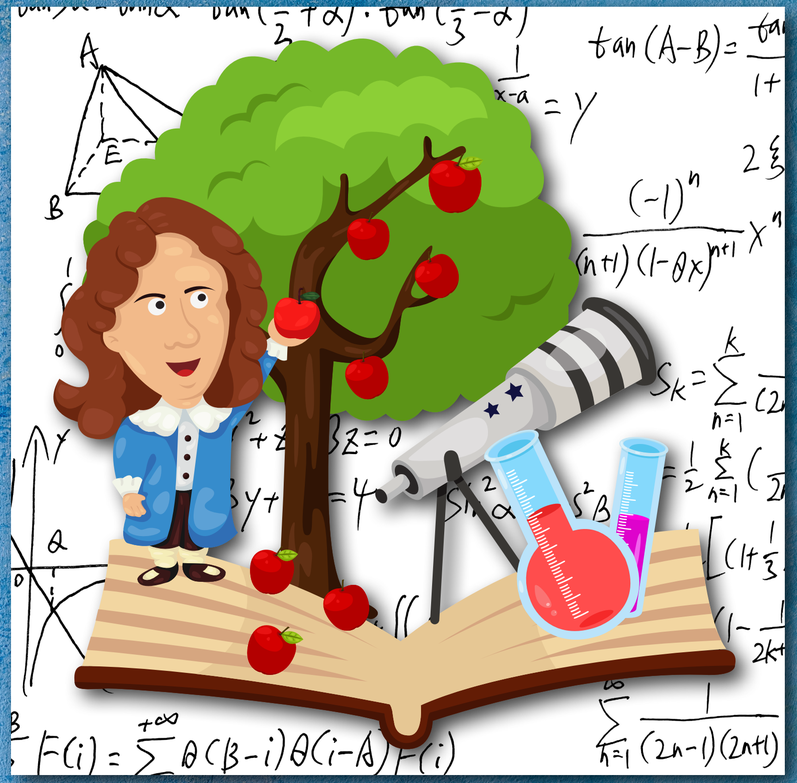

He discovered calculus, the three laws of motion, the law of gravitation, and he invented the refracting telescope, and much more.

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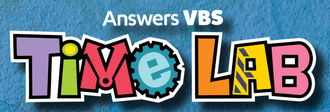
But did you know
he loved God
and believed the Bible?



Louis Pasteur

You know how the Bible tells us that God created everything?

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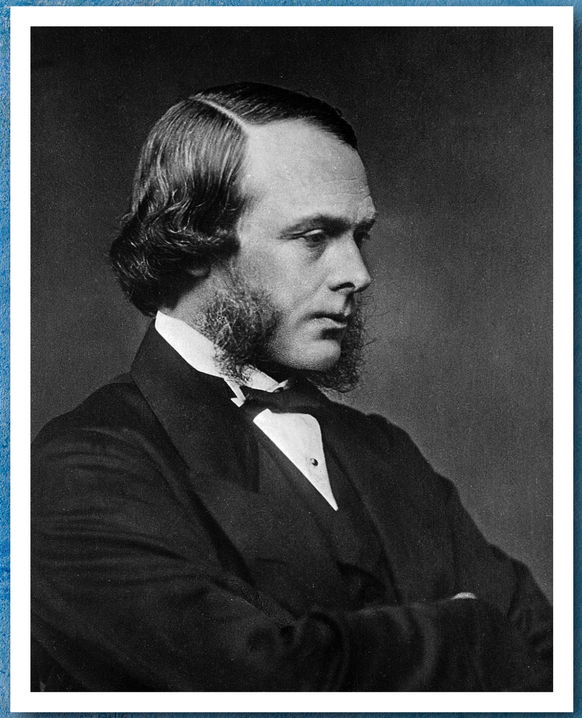
Guided by this belief, Louis Pasteur made many important medical discoveries like pasteurization and immunization.

Joseph Lister



Does your mom make you wash your hands before you eat?

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That's so you can wash off all those nasty little germs!

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In the past, people didn't realize how sick we can get from germs. Joseph Lister helped hospital staff realize they needed to wash hands and sterilize surgical instruments with antiseptics to kill germs.

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His discovery has saved
countless lives,
and what's cool is,
he believed in God!