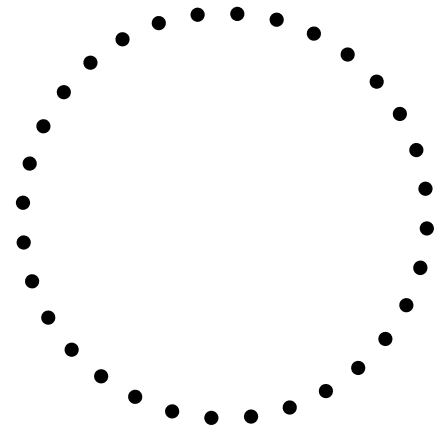
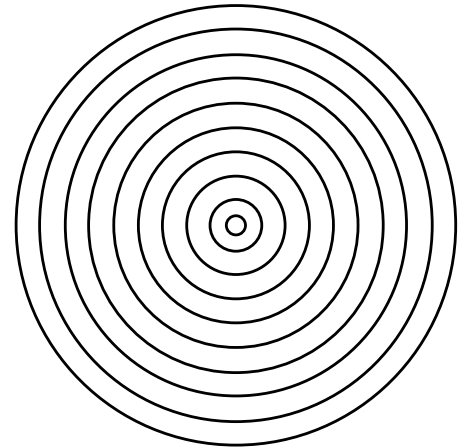
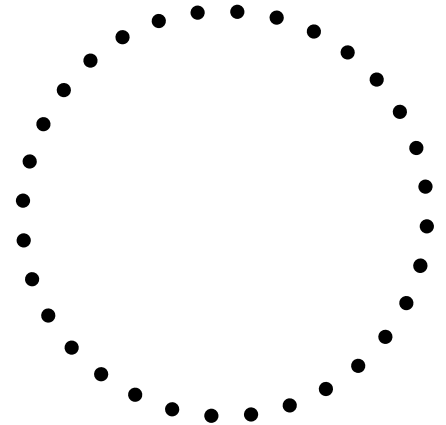
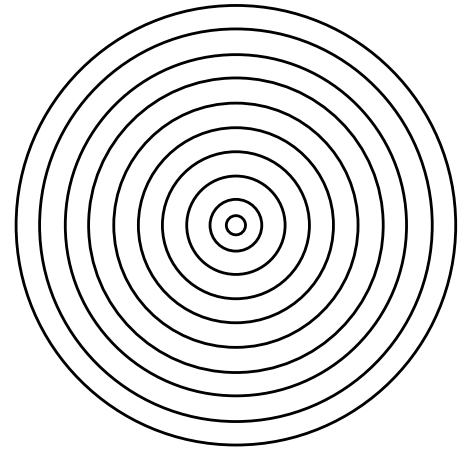




Standards &
Engagement

Safer for You

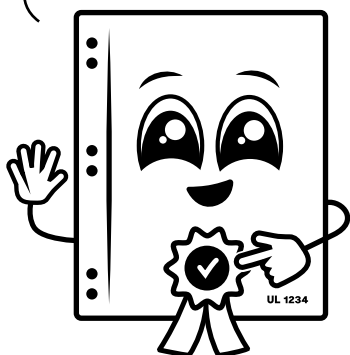
A Safety Standards Activity Book



Welcome to the World of Safety!

Write your
name here

Hi! I'm Stan the
safety standard!



UL Standards & Engagement is a global safety organization that helps make things safer for you - like lights, electronics, and even e-scooters! We work with experts to create standards. Think of them like an instruction manual to guide the testing of products, services, and systems so when you use them, they are safer for you.

You might not see our work, but it's all around you, quietly keeping you safe at home, school, and everywhere in between.

Now it's your turn to learn and explore!

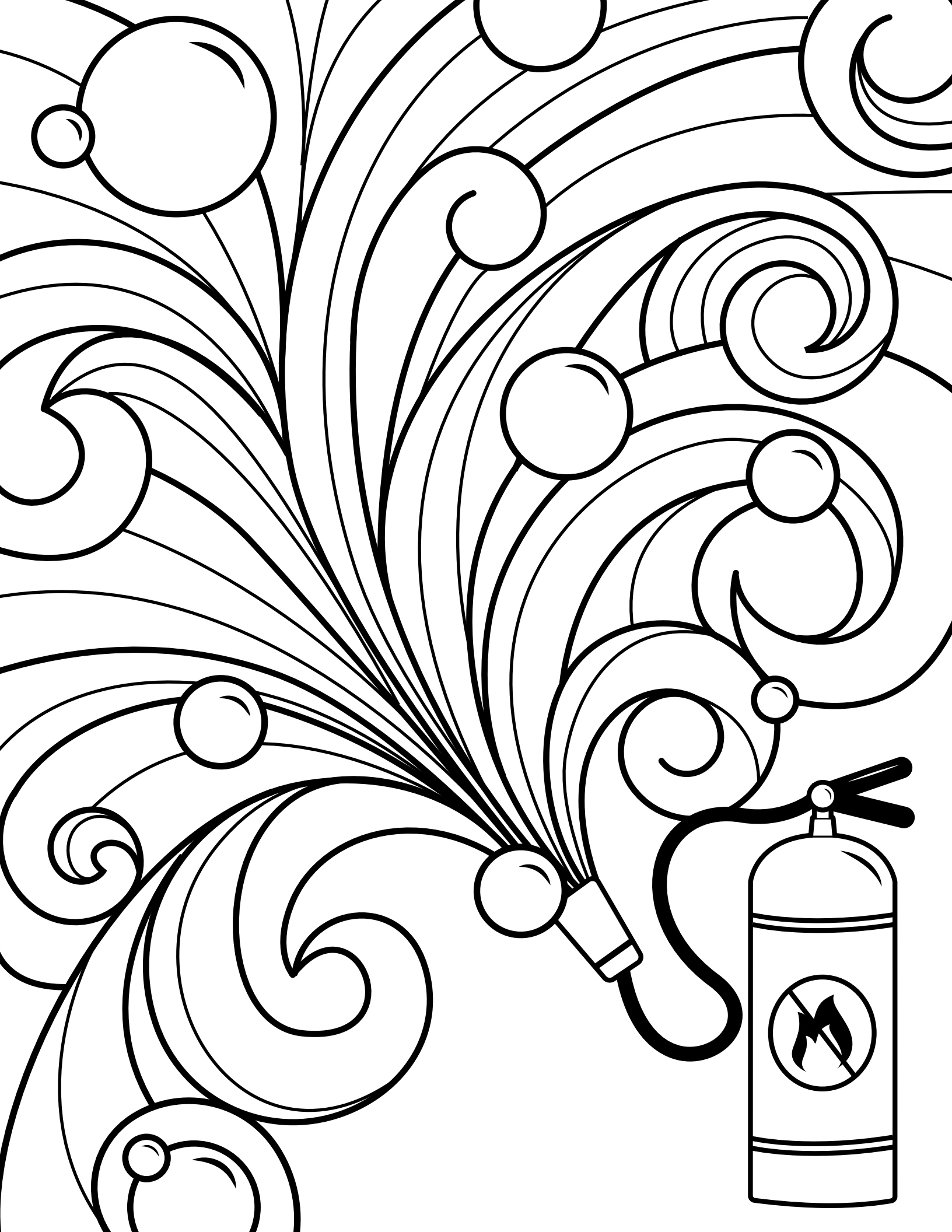
This activity book is full of fun ways to discover how safety standards work and why they matter. Let's get started!

Safety Word Search

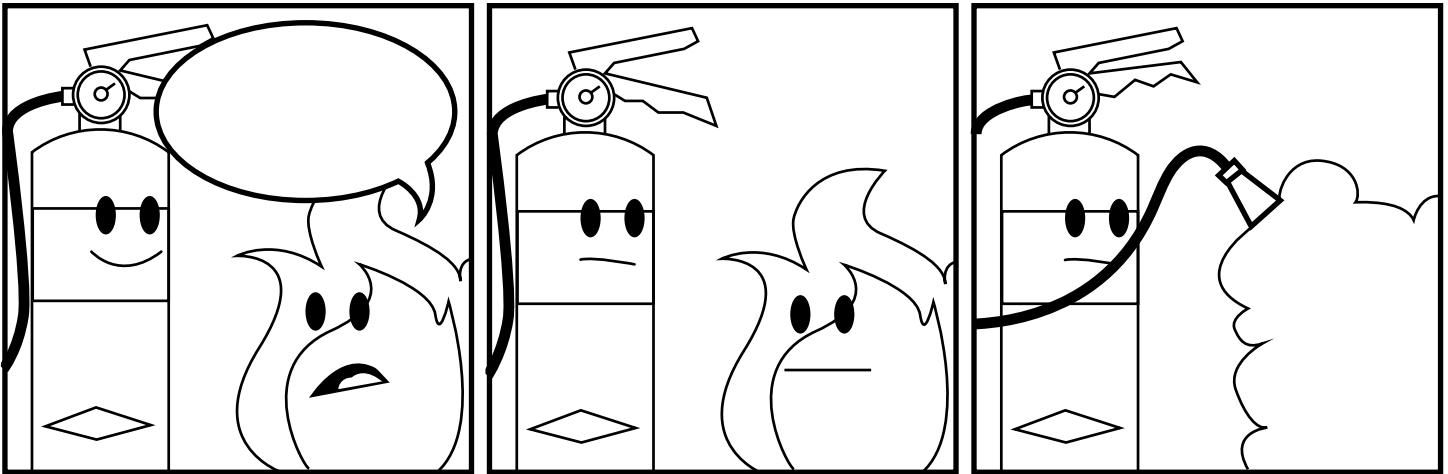
See if you can find all the words below that relate to the positive impact that ULSE has in the world.

Standards
Safety
Fire Extinguisher
Hazard
Smoke Alarm
World
Sustainable
Innovation
Impact
Science
Community
ULSE

a	h	f	e	a	b	l	d	t	m	c	n	a	f	j	r	e	m
h	y	u	i	t	t	c	a	p	m	i	r	o	z	s	a	s	p
x	r	v	o	r	f	m	s	z	r	a	l	e	k	c	z	d	s
l	g	y	s	a	e	e	t	u	b	f	m	n	t	i	b	r	w
w	i	d	m	j	p	e	a	o	s	s	q	l	n	e	t	a	h
n	n	l	o	g	f	s	x	n	o	t	i	g	m	n	e	d	z
o	o	b	k	q	s	g	e	t	n	h	a	y	a	c	r	n	v
x	i	w	e	l	h	u	s	m	i	k	r	i	c	e	m	a	c
a	t	o	a	z	u	t	l	a	s	n	t	o	n	p	j	t	a
e	a	r	l	g	x	k	y	s	s	t	g	s	q	a	g	s	p
u	v	l	a	h	e	c	s	t	e	n	s	u	j	o	b	b	l
i	o	d	r	e	a	n	r	d	i	i	s	f	i	a	y	l	a
p	n	b	m	l	p	z	y	z	s	n	i	e	s	s	n	k	e
c	n	t	t	g	s	m	a	c	a	e	u	c	a	e	h	r	x
k	i	o	p	f	y	o	y	r	b	n	a	m	p	t	r	e	i
y	s	a	r	f	b	t	g	y	d	e	g	p	m	y	g	u	r
z	n	m	x	i	n	p	a	l	t	q	a	t	d	o	b	t	y
a	s	a	f	e	t	y	x	c	w	b	e	e	v	x	c	o	h



Say What? _____ Fill in the comic!



Be a Smarty Pants!

What does it mean when a product is certified to a safety standard?

- A. It means the product has gone through testing and evaluation to make sure it meets safety and quality rules
- B. It means the product is guaranteed to never break
- C. It means only adults are allowed to use the product
- D. It means the product is the most popular brand

Talk with your family: Can you find something at home that's certified to a safety standard? Why do you think that's important?

How often should smoke alarm batteries be changed?

- A. Every month
- B. Every 6 months
- C. Once a year
- D. Only when it beeps

Talk with your family: Do you know where all the smoke alarms are in your home?

What does carbon monoxide (CO) look like?

- A. A thick, black smoke
- B. A colorful gas like a rainbow
- C. It's invisible and has no smell
- D. A white, foggy cloud

Talk with your family: Do you know where all the CO detectors are in your home?

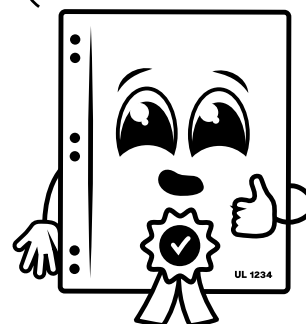
What is a lithium-ion battery?

- A. A type of battery that can be recharged
- B. A battery that never needs to be charged
- C. A battery only used in cars
- D. A battery that can only be used once

Talk with your family: What are some items you own that are powered by a lithium-ion battery?

When flying on a plane, devices with lithium-ion batteries should be packed in your _____ bag, not in _____ luggage.

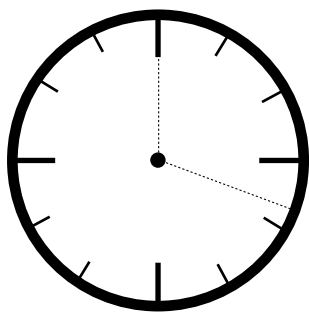
I don't need a quiz to know that you are certifiably amazing!



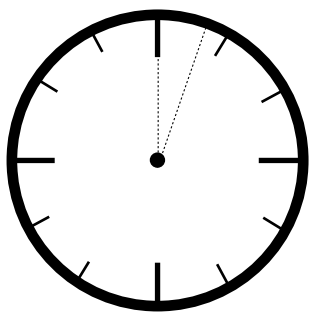
Can You Find the Six Hazards?



Just a Fraction of the Safety Stats



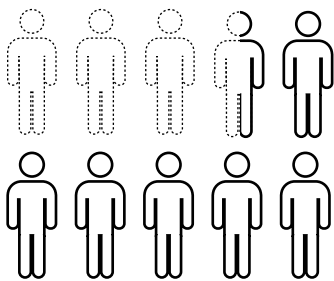
50 years ago
17 minutes



Today
3 minutes or less

The Fire Safety Research Insititute notes that 50 years ago, inhabitants typically had an average of **17 minutes** to escape during a house fire. Today, that average has fallen to **three minutes or less**.

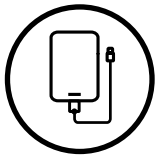
Color the two sections showing the time it takes to escape a house



36%

of U.S. adults (86.2 million individuals) have no means of detecting CO leaks in their homes.

Color in the dotted people to represent this fraction



96% of air travelers typically bring at least one rechargeable product with them when traveling on an airplane

53%

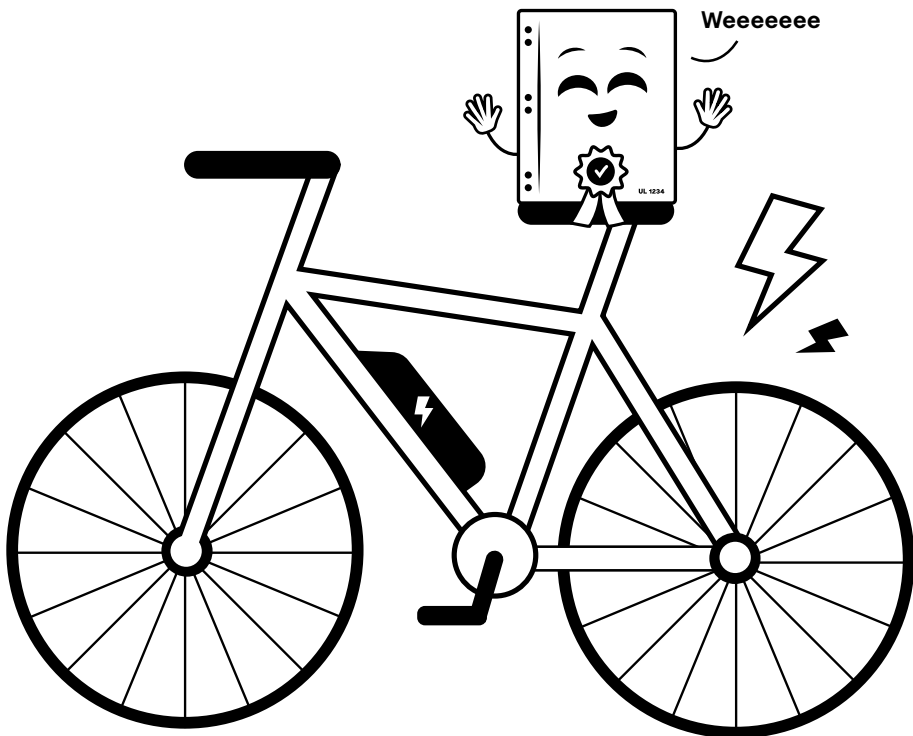
of e-bike owners are unaware their device is powered by a lithium-ion battery

45%

of riders are in urban areas

49%

of riders who charge at home are blocking their home's fire exits



What Goes Where?

Draw each item in the list below in bag you think it belongs

☐ Portable phone charger

☐ Sunscreen

☐ Tablet

☐ Shoes

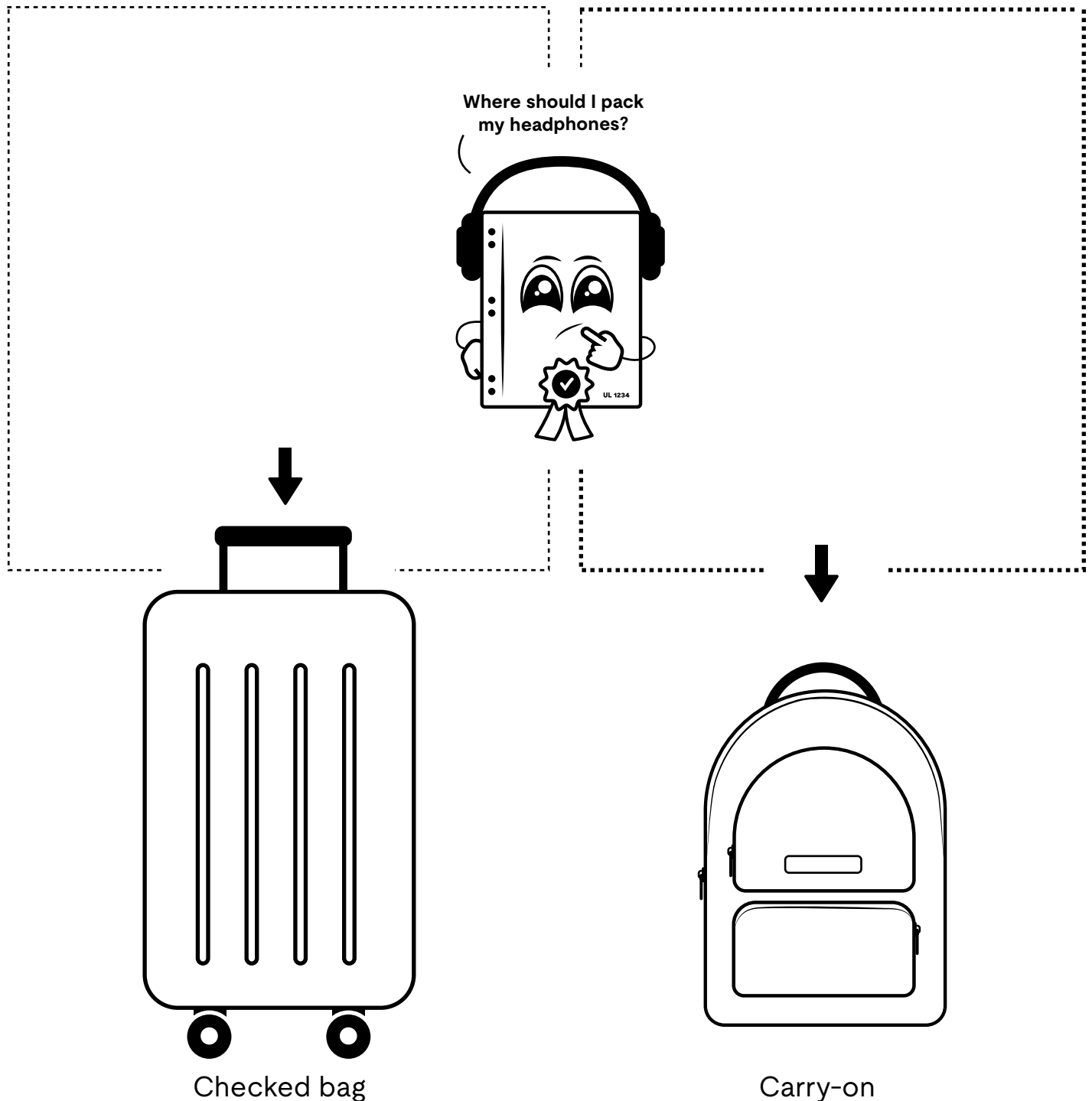
☐ Handheld game system

☐ Towel

☐ CO detector

☐ Swimsuit

☐ Rechargeable toothbrush



UL Standards & Engagement:

120 years in standards development

UL Standards & Engagement is a nonprofit standards development and advocacy organization that translates safety science into practical, action-oriented standards, from toasters to life jackets, and lithium-ion batteries to solar power.

The organization also serves as a vital resource for policymakers and shares knowledge, advances partnerships, and advocates for standards and policies to create a safer, more sustainable world.



To learn more about ULSE visit, **ULSE.org**



17000+

standards and documents in use today



40+

countries are represented through our technical committees



40000+

individuals serve on ULSE technical committees

Activity Page Answers

Page 2 - Be a Smarty Pants

1: A

Look for a safety mark or label - usually a small symbol or logo from a trusted organization—that shows the product was tested and approved.

2: B

3: C

4: A

Lithium-ion batteries are powerful, rechargeable batteries found in many everyday devices. They store a lot of energy in a small space, so they need to be used and charged safely and make sure they're certified to a safety standard.

5. Carry-on, checked

This is because lithium-ion batteries can sometimes overheat, which is called thermal runaway. If that happens on board, flight attendants can quickly respond and help keep everyone safe.

Page 3 - Hazard Hunt

The hazards:

1. Smoke alarm is missing batteries
2. Phone cord is frayed and damaged
3. Candle is lit and left unattended
4. Phone is charging unattended overnight
5. Powerstrip is overloaded
6. Clothes are draped over space heater

Page 7 - What Goes Where?

Carry-on bag:

Portable phone charger, handheld game system, tablet, and rechargeable toothbrush

These items contain lithium-ion batteries and should be within arms reach at all times while traveling by air.

All non-rechargeable items can go in either bag