



ClairCity Bristol Instructions

Aim of the game: Answer questions in a race against other players to determine who can save Bristol!

You will need:

- A die
- Four game pieces (take from another board game or create your own).
- Suitcases and rewards (cut out from the accompanying sheet)
- Up to four players, 9+

To begin:

1. Choose a playing piece and grab a briefcase.
2. Start in the middle on the Clifton Suspension Bridge. Youngest player goes first (or roll the dice to decide)
3. Roll the die. Move away from the Bridge and work your way around the board in whichever direction you like.

Playing the game:

Each time a player lands on a question mark, another player draws a card from the question pack and reads the card out loud. The player has roughly 30 seconds to answer. If they answer correctly they roll again.

When a player's roll takes them over one of the landmarks (in each corner of the board), they must stop on the image. Another player then draws TWO cards from the ideas (lightbulb) pack and reads the options out loud. The player must then choose between the ideas and explain why they have taken this decision. If the reader likes the explanation they are awarded a corresponding token.



Brandon Hill



Bristol Royal Infirmary



Science Museum



Bristol Bank

To win:

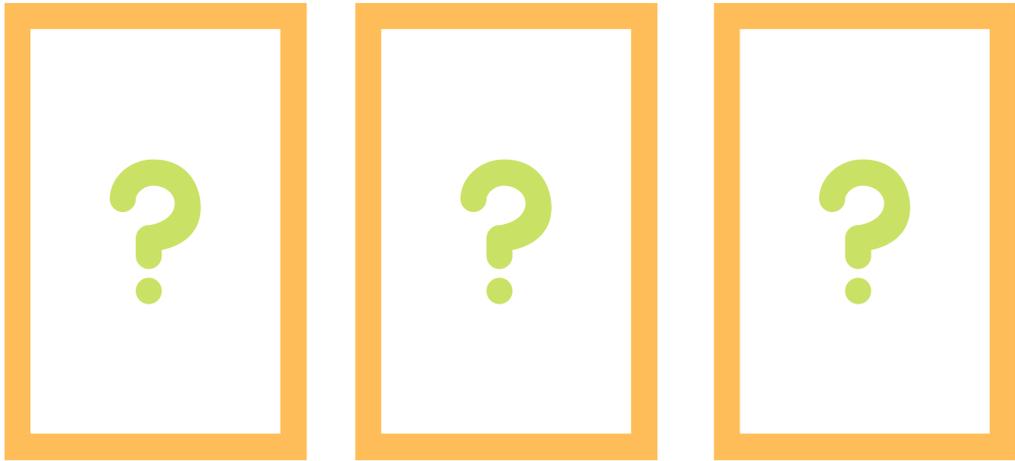
The player places the winning token in their suitcase. Once a player has all four tokens they make their way back to the Suspension Bridge. Winner is the first to make it back to the bridge.



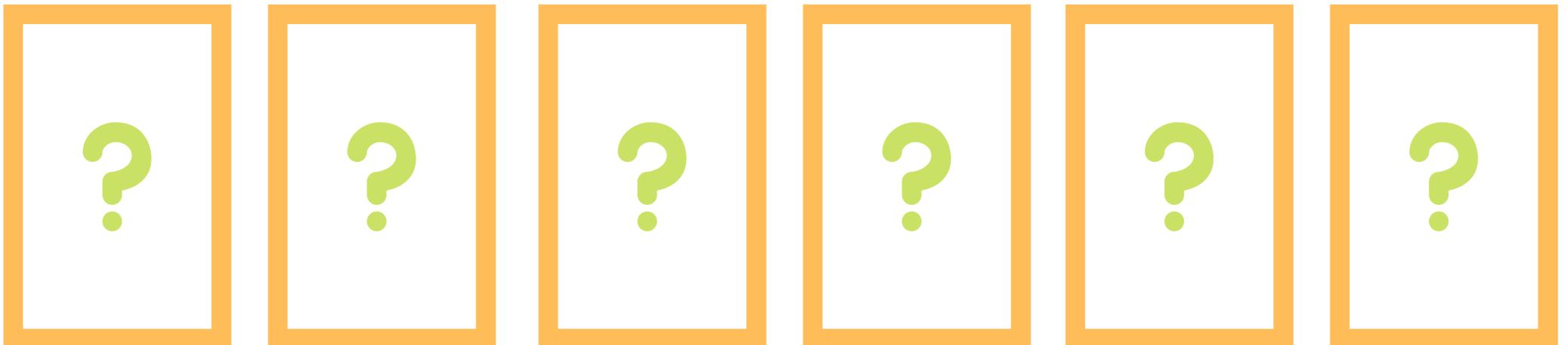
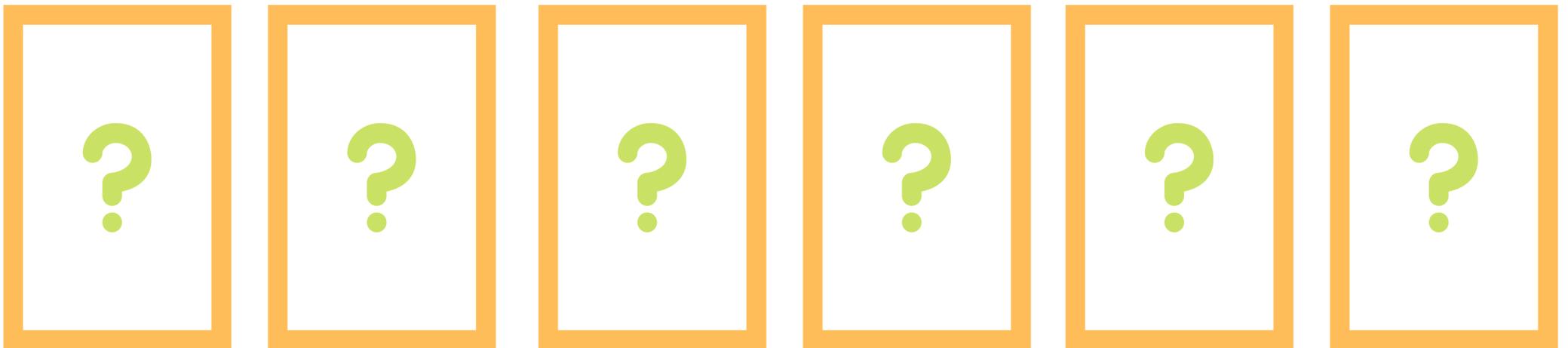
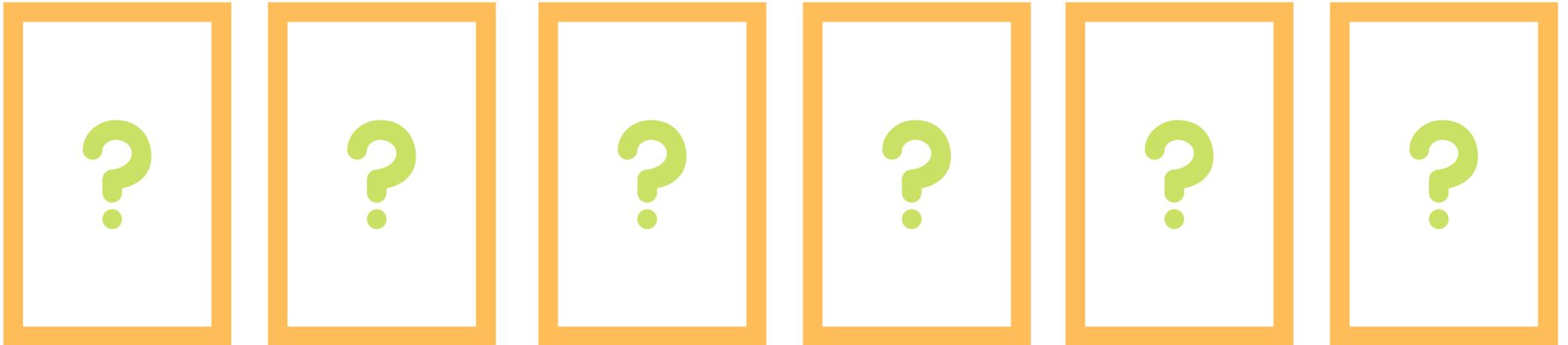
ClairCity Bristol game pieces

Cut out the icons and briefcases neatly. Ask an adult to help you if necessary. Give each player a suitcase and if they are successful in presenting their ideas, hand them a relevant icon to put in their suitcase.





Print these pages 'double-sided', then cut out each card neatly. Ask an adult to help you if needed. Then shuffle each pack before placing the question pack, question side down, on top of the question mark symbol on the board, and the ideas pack, idea side down, on the lightbulb symbol. Feel free to make your own cards.



In Bristol, how many premature deaths are linked to air pollution each year?

- a) 50
- b) 150
- c) 300

Answer = C

Which of the following isn't linked to air pollution

- a) Left-handedness
- b) Stroke
- c) Type 2 diabetes

Answer = A

What is the main cause of air pollution in Bristol?

- a) Burning fuel to heat our homes
- b) Driving cars
- c) Driving vans and lorries

Answer = B (Because there are lots more cars. Diesel engines are the worst)

How many premature deaths worldwide are linked to air pollution?

- a) 1 in 40
- b) 1 in 8
- c) 1 in 6

Answer = B

How much does air pollution cost Europe each year?

- a) €1.6 million
- b) €1.6 billion
- c) €1.6 trillion

Answer = C (the cost of early deaths and diseases linked to air pollution, according to the World Health Organisation)

Which of these doesn't affect air pollution?

- a) Hills
- b) Valleys
- c) Unicorns

Answer: C

Why are Black, Asian and Minority Ethnic groups more at risk from COVID-19 than white people?

- a) They are more likely to live in areas of high air pollution
- b) They often live in overcrowded and poorer quality homes
- c) Both a & b

Answer = C

How much money does society get back for every £1 spent on 'active travel' (such as walking and cycling)?

- a) £1.40
- b) £3.80
- c) £5.50

Answer = C (from improvements to health and often saving time traveling in cities)

How many days did it take for London to breach its annual air pollution limits in 2017?

- a) 5 days
- b) 12 days
- c) 31 days

Answer = A

How many of the 28 EU countries are breaking air quality laws?

- a) 14
- b) 23
- c) 27

Answer: B

Which of these areas in Bristol has the worst air pollution?

- a) Cotham
- b) Bedminster
- c) St Paul's

Answer: B

Which type of cars cause the most air pollution?

- a) Petrol
- b) Electric
- c) Diesel

Answer = C (electric cars still need lots of energy to run, produce pollution during manufacture and from brakes and tyres)

How many UK cities are in breach of World Health Organisation guidelines for air quality?

- a) 18
- b) 36
- c) 44

Answer = C

How many sick days a year in the UK are linked to air pollution?

- a) 66,000
- b) 600,000
- c) 6 million

Answer = C

Who is most affected by air pollution?

- a) Children
- b) Older people
- c) Working age adults

Answer = A (Older people are also more at risk, but children are more likely to live with the consequences of air pollution for longer)

In the UK, which health problem is linked to the most deaths?

- a) Being over weight
- b) Air pollution
- c) Drinking alcohol

Answer: B

Which of the following isn't linked to air pollution?

- a) Babies being born early
- b) Hair colour
- c) Heart attacks

Answer = B

Where is air pollution worst?

- a) On the pavement, next to a busy road
- b) In parks
- c) On the pavement, next to a quiet road

Answer = A

Which is worst for children's health?

- a) Being driven to school
- b) Walking to school
- c) Cycling to school

Answer = A (not only does driving to school potentially reduce a child's daily exercise, it also exposes them to air pollution)

Which commuter is generally exposed to the highest concentrations of air pollution?

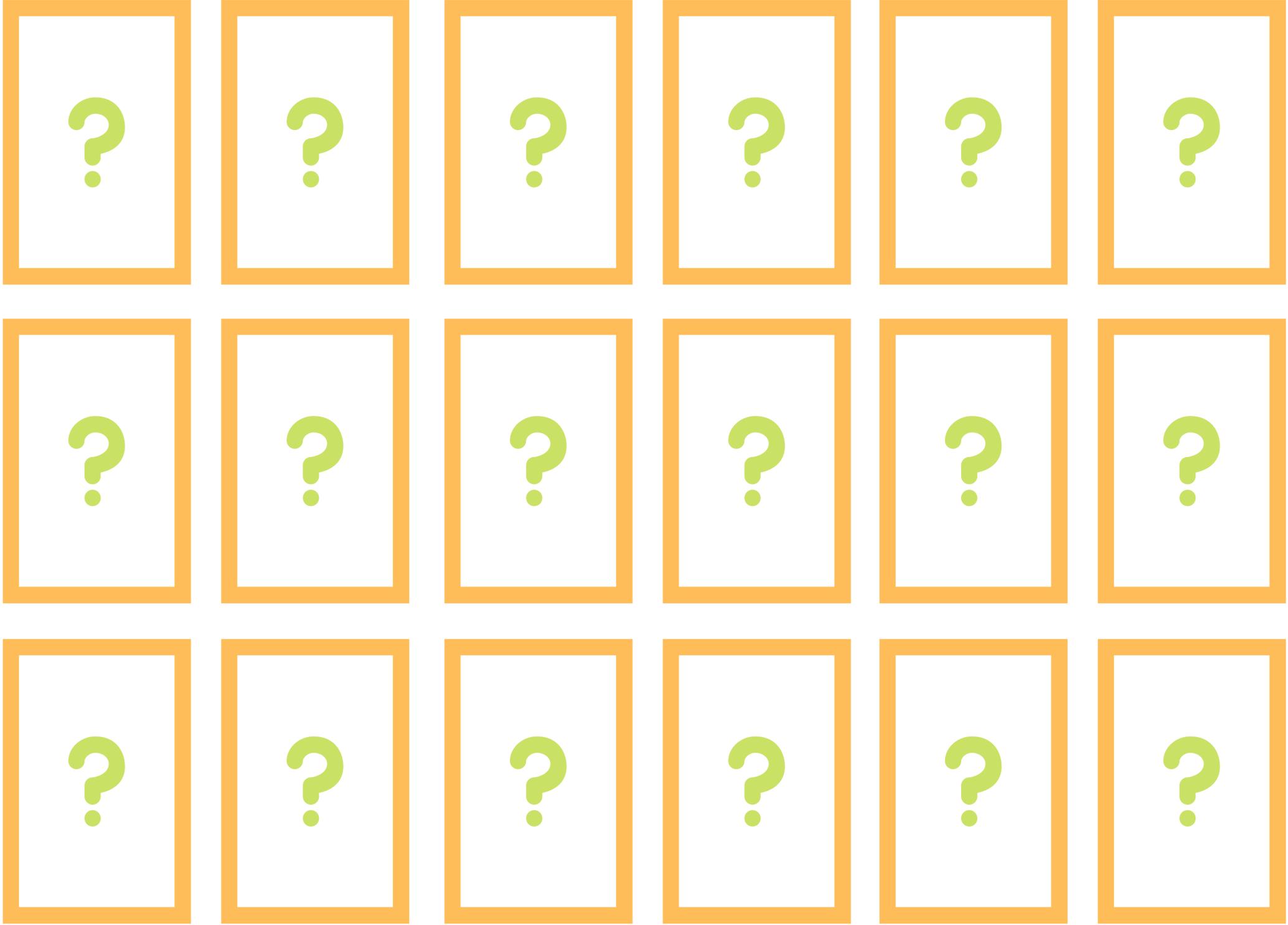
- a) Cyclist
- b) Car passenger
- c) Pedestrian

Answer = B (Concentrations are higher in cars than in the air on the street)

How many UK cities are in breach of World Health Organisation guidelines for air quality?

- a) 18
- b) 36
- c) 44

Answer = C



Internationally, the number of deaths linked to air pollution is how many times higher than AIDS, TB and malaria combined?

- a) 1.5 times
- b) 3 times
- c) 4 times

Answer = B

What proportion of UK car journeys is under 5 miles?

- a) One third
- b) Two thirds
- c) Half

Answer = B

Between 2013 and 2017, the number of electric cars in the UK increased by...?

- a) 6 times
- b) 26 times
- c) 68 times

Answer = B

Air pollution is linked to how many deaths a year in the UK?

- a) 12,000
- b) 20,000
- c) 40,000

Answer = C

How many diesel cars are there on UK roads?

- a) 8 million
- b) 12 million
- c) 120 million

Answer = B

If you want a UK clean air holiday, where's best to go?

- a) The English Lakes
- b) Dartmoor
- c) The Scottish Highlands

Answer = C

Which of the following is not a form of 'active travel'?

- a) Riding a unicycle to work
- b) Skipping to school
- c) Driving to the shops

Answer = C (Active travel is when you make some physical effort to move around)

Which of these countries has the most deaths linked to air pollution?

- a) UK
- b) Italy
- c) Sweden

Answer = A

Of the 107 places in ClairCity's air pollution map of Bristol, how many were 'Above UK legal limits' in 2016?

- a) 12
- b) 48
- c) 54

Answer = C

Of the 107 places in ClairCity's air pollution map of Bristol, how many were 'Considerably above UK legal limits' in 2016?

- a) None
- b) 5
- c) 7

Answer = B

Bristol is covered by a smoke control order, which means...?

- a) Burning wood in a fireplace is okay
- b) You can only burn 'authorised fuels' or use an 'exempt appliance'
- c) Burning household waste is okay

Answer = B

Which is the best strategy for improving the air we breathe?

- a) Revving your engine less
- b) Wearing a surgical mask whenever you leave the house
- c) Walking or cycling instead of driving

Answer = C

How much does air pollution cost society each year in the UK?

- a) £5.8 billion
- b) £22.6 billion
- c) £30 billion

Answer = B (Mostly through the effects it has on our health)

Do 20mph speed limits help with air pollution?

- a) Yes, evidence suggests they do
- b) No
- c) Inconclusive

Answer = A

How many people live in Bristol's air quality management area (AQMA) - an area not currently meeting national air quality objectives?

- a) 25,000
- b) 75,000
- c) 100,000

Answer = C

Which government department is responsible for air quality management areas (AQMA)?

- a) Health and Social Care
- b) Environment, Food and Rural Affairs
- c) Transport

Answer = B

Where's got better air quality, according to ClairCity's air pollution map of Bristol?

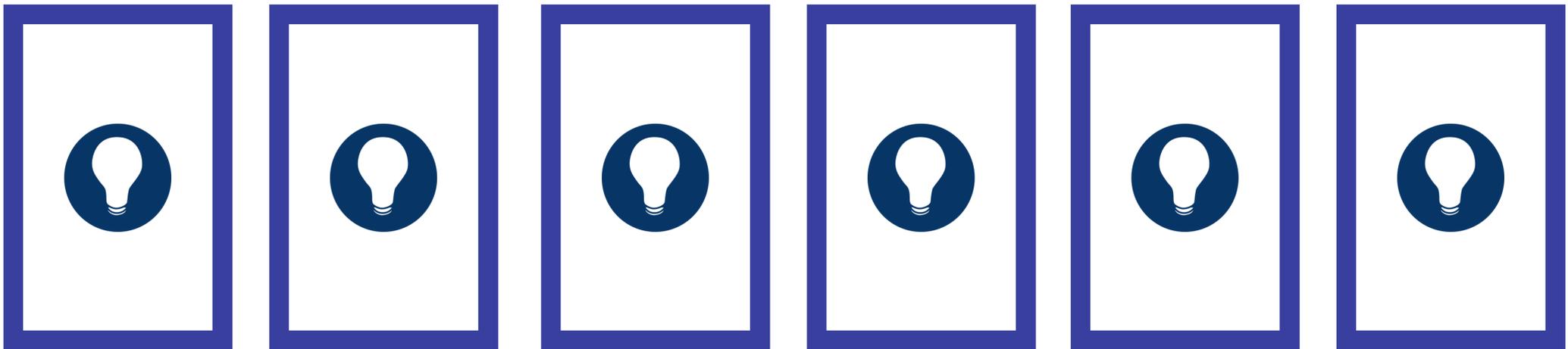
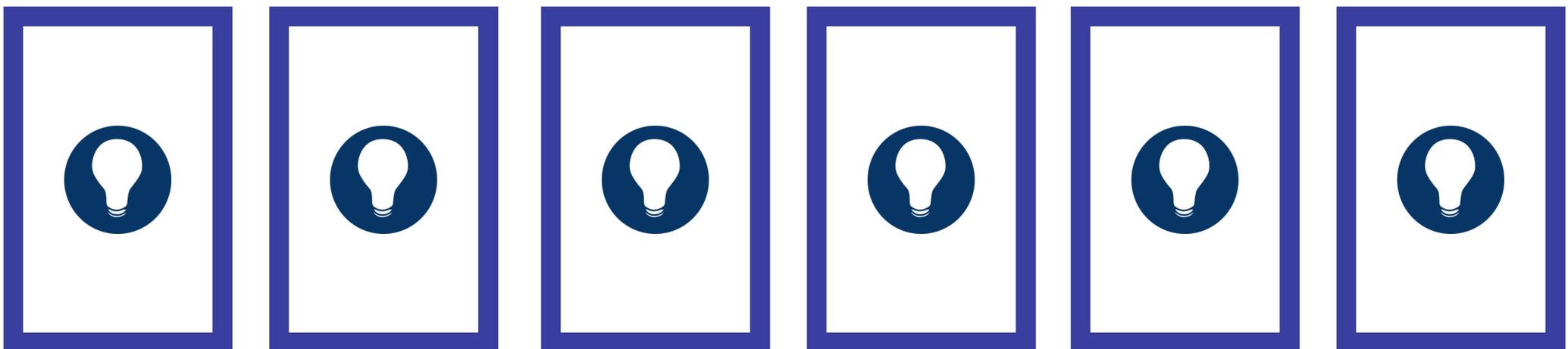
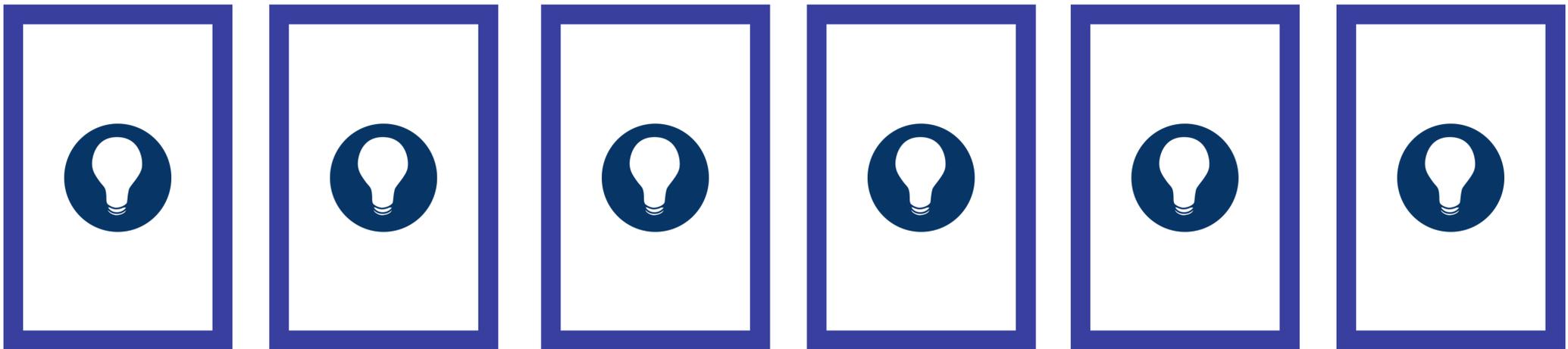
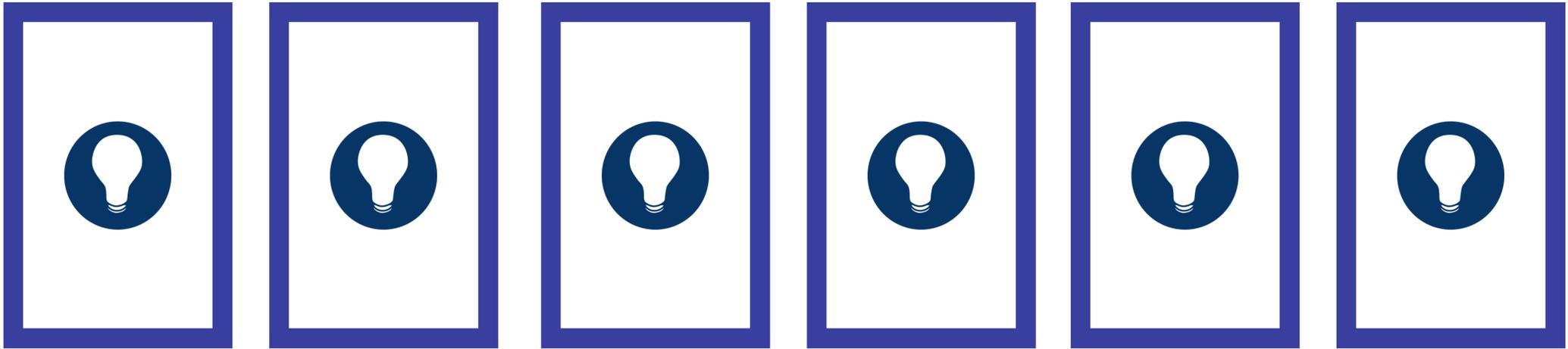
- a) Eastville
- b) Avonmouth
- c) Horfield

Answer = B

If you want to breathe the cleanest air in UK towns and cities, where's it generally best to live?

- a) On a hill to the west
- b) In a valley in the centre
- c) On a flat bit in the east

Answer = A (the east tends to have worse pollution due to our prevailing Westerly winds)



Ban polluting cars and vans from some parts of the city

Introduce more electric cars and vans

Make it easier to car share

Encourage people to use public transport

Increase taxes on petrol and diesel to spend on public transport

Have fewer car parking spaces in the city centre

Increase road tolls to spend on public transport

Introduce a congestion charge

Restrict traffic in some areas at certain times

Change traffic light signalling to make traffic flow more easily

Redirect traffic to less busy roads during rush hour

Build more roads

More reliable and affordable buses

More 2+ vehicle lanes during rush hour

Invest lots of money in walking routes

Invest lots of money in cycle paths

Limit the number of miles a person can drive if they have a petrol or diesel car

Ban diesel cars on days when air pollution is at a high level

Give more space to cycle lanes in the summer

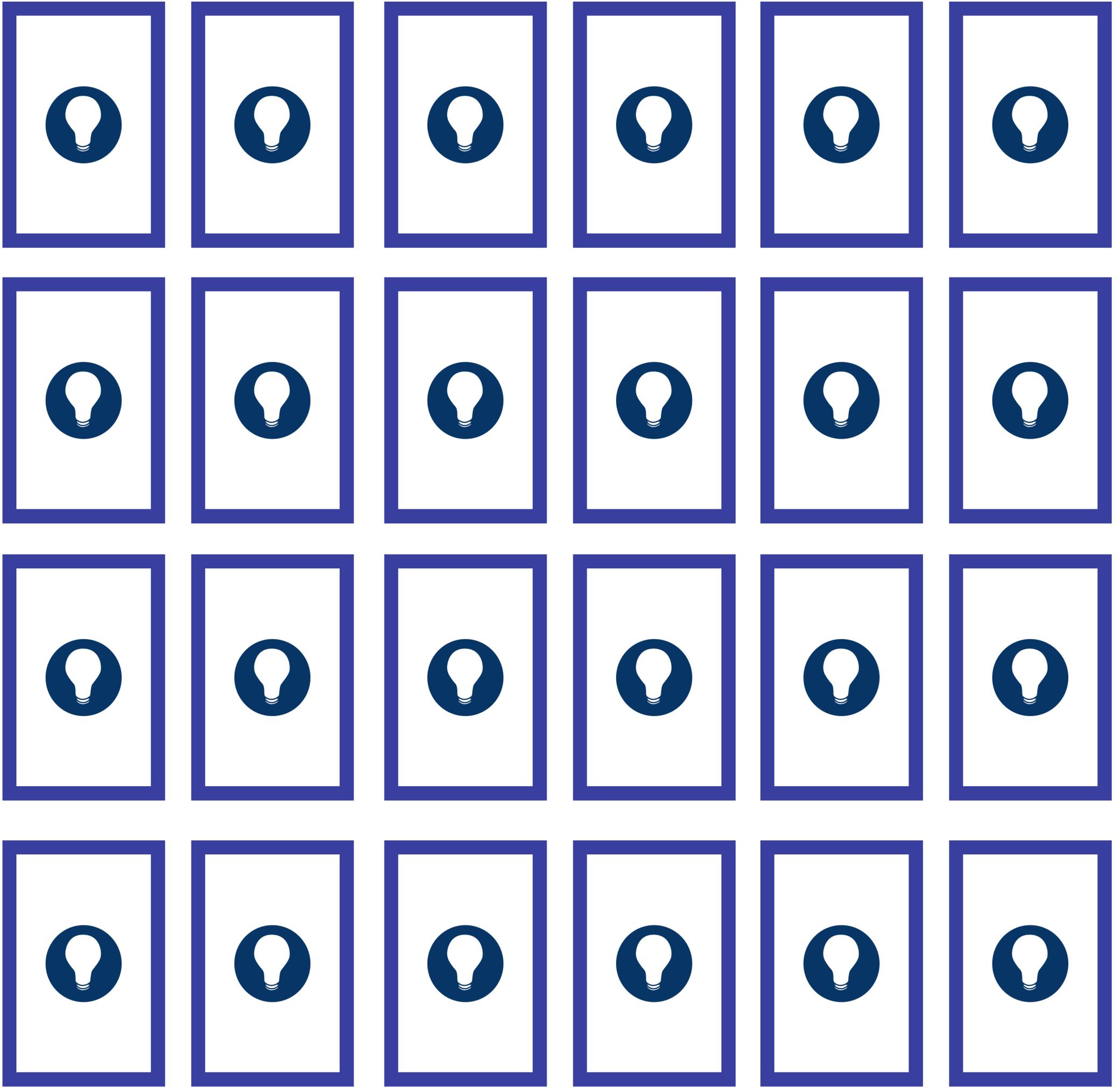
Make buses cleaner and greener

Make low carbon cars and vans cheaper to buy

Have more bike sharing and bike rental schemes

Better signs and information for people travelling by public transport

Install parking information that directs drivers away from busy areas



**Get the police
to take more
action on bike
security**

**Make all taxis
meet clean
engine
standards**

**Offer children
who cycle or
walk to school
free
breakfasts**

**Offer (more)
information to
plan journeys
across
different
forms of
transport**

**Offer (more)
real-time
information
on how buses
and trains are
running**

**Improve signs
and
information
for people
travelling by
public
transport**

**Offer training
for drivers on
how to drive
fuel
efficiently**

**Make electric
bikes
cheaper to
buy**

**More lanes
and
charging
points for
electric bikes**

**Give cyclists
priority
at junctions
with special
green lights**

**Offer people
with old cars
free public
transport
instead**

**Make special
lanes
for electric
cars and vans**

**Improve
routes for
people to walk
to work**

**Restrict car
use – for
example, even
numbered
cars can drive
every other
day**

**Encourage
cargo bikes
instead of
delivery vans**

**Increase tax
on cars to
spend on
public
transport**

**Display air
pollution data
along busy
driving routes**

**Encourage
businesses
to use cleaner
vans and
trucks**

**Make public
transport
publicly
owned**

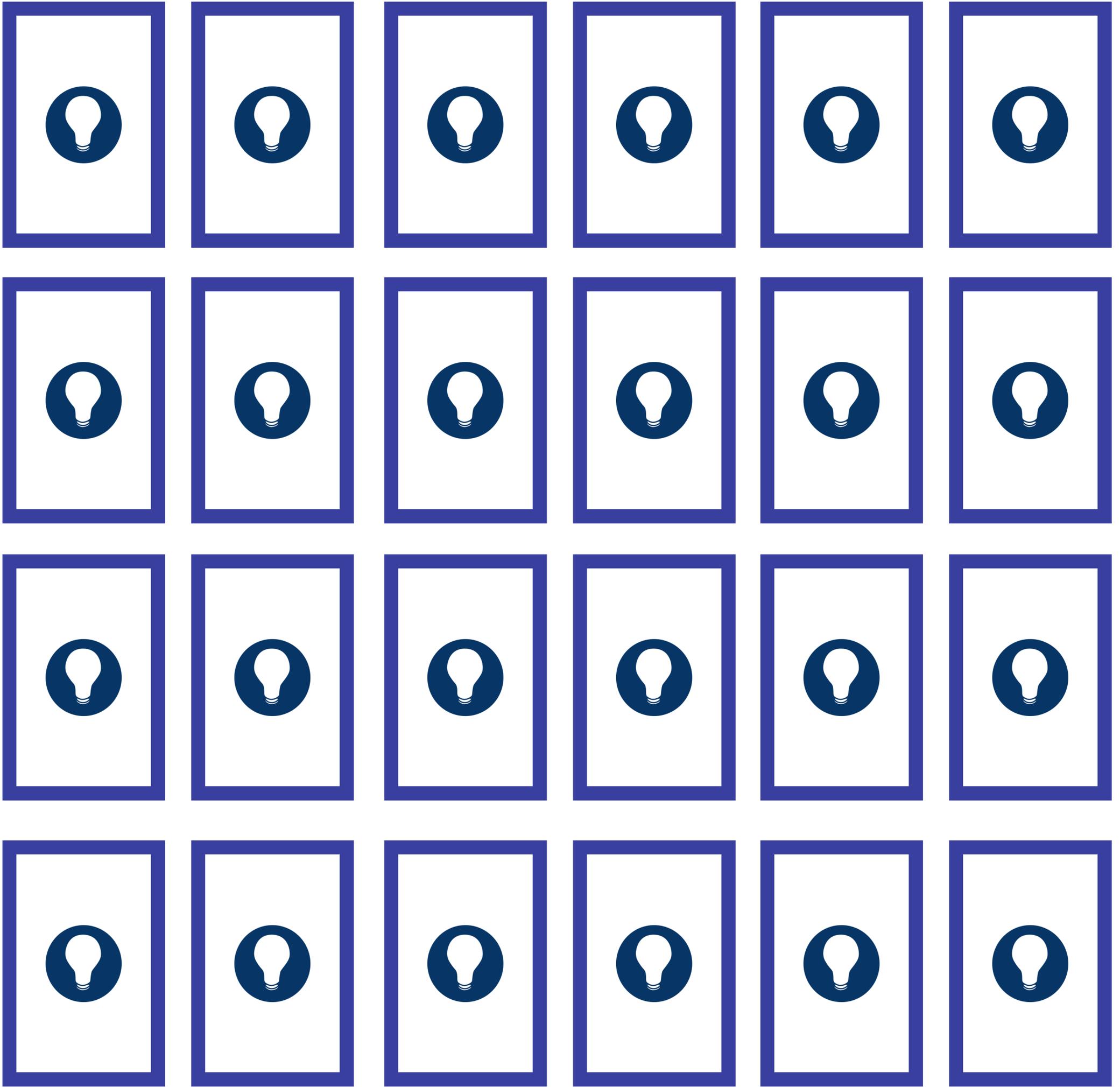
**Install more
charging
points for
electric cars**

**Introduce
more electric
buses**

**Make parking
more
expensive
than public
transport**

**Electrify all
railway
lines**

**No road tolls
for low
emission cars
and vans**



**Free charging
and parking
for electric
cars**

**Close more
streets to
traffic and
open them to
people on foot**

**Restrict
lorries to
some areas at
busy times**

**Create more
bus lanes**

**Tax people
more if
they drive to
work**

**Give 16-25
year olds
cheaper
fares on buses**

**Install more
efficient
engines on
trains**

**Reward
businesses
that introduce
successful
green
transport
schemes for
employees**

**Improve train
and bus
stations**

**More parking
for
employees at
businesses**

**Get council
workers
to use electric
bikes**

**Offer tickets
that
cover both
bus and train
journeys**

**Get council
services
to use electric
cars and vans**

**Redesign
crossings
and roads to
give priority
to cyclists and
people on foot**

**Help people
with the
cost to
replace old
cars with
hybrids**

**Fine bus and
train
companies if
their services
are late or
cancelled**

**Allow fewer
lorries into
the city**

**Introduce a
Bristol
Oyster card**

**Make more
bike spaces
on trains**

**Have less
parking and
drop-off
space at train
stations**

**Provide more
school
buses**

**More
contactless
payments for
bus and train
tickets**

**Build cycle
"superhighwa
y" lanes in the
city**

**Ban cars on
certain
days**