



Chance Heritage

Activity Booklet

For kids



CHANCE
HERITAGE
TRUST

 DigVentures



UK Government



West Midlands
Combined Authority

Chance Glassworks from Smethwick installed glass lenses in over 2000 lighthouses in more than 80 countries all around the world to make their lights shine further and brighter.

Do you know how a lighthouse works?

This is where the glass lens lives!

Lighthouses use unique light patterns to signal to ships

Each lighthouse has a different set of stripes so sailors can tell them apart

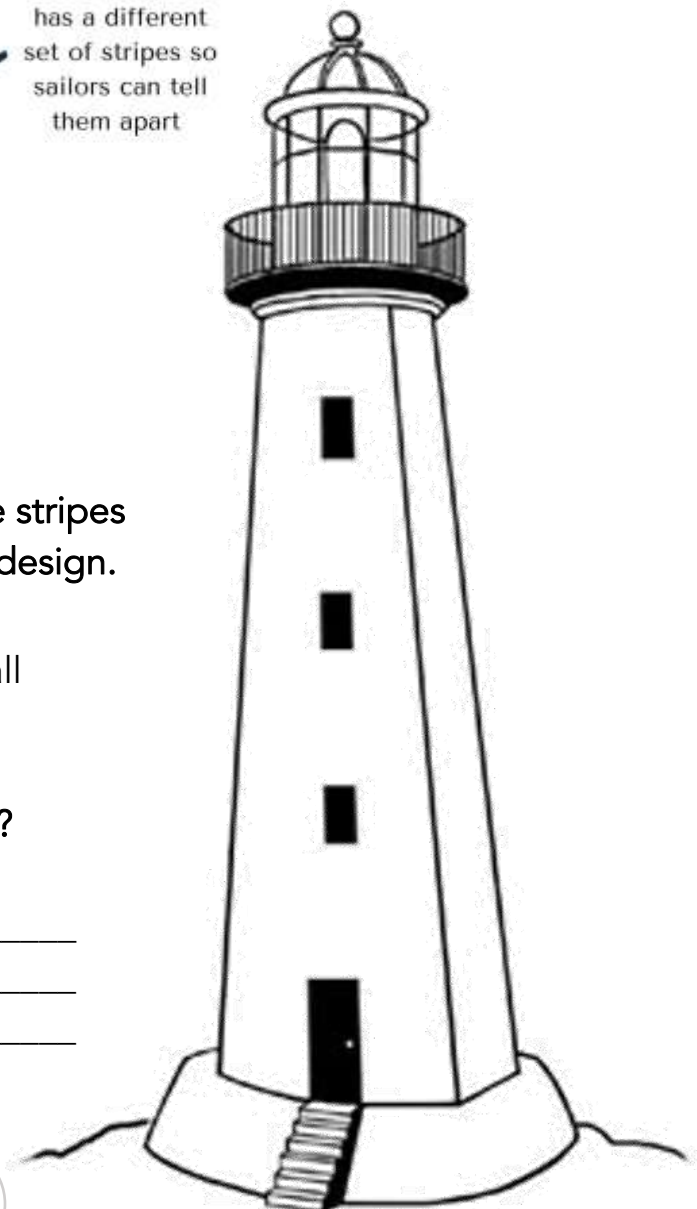


Each lighthouse is unique. Add some stripes to this lighthouse to make your own design.

Chance Glassworks put lighthouses all over the world to keep ships safe.



Where would you build a lighthouse?



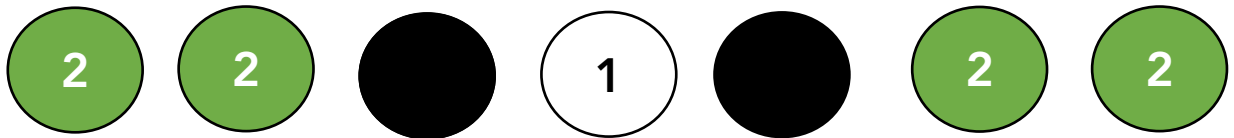
The light from the lighthouse shines all night to warn ships there are rocks nearby.

Each lighthouse will flash in a unique pattern using a variety of different colours.

This tells sailors which lighthouse they're looking at even if it is night and shows them the safe way past the rocks.



The circles show how this lighthouse flashes green for 2 seconds, then white for 1 second and then green again. Do you see?



Think about your own lighthouse.

Colour in the circles below to show the pattern of the flashes of your lighthouse.

Add a number to show how long the light will flash for.





Activity idea: Get a torch and see if you can recreate this pattern at home.



A lighthouse keeper lives in the house next door to look after the light. He cannot let the light go out or ships may hit the rocks.



Give the lighthouse keeper a name and colour him in.

Name: _____



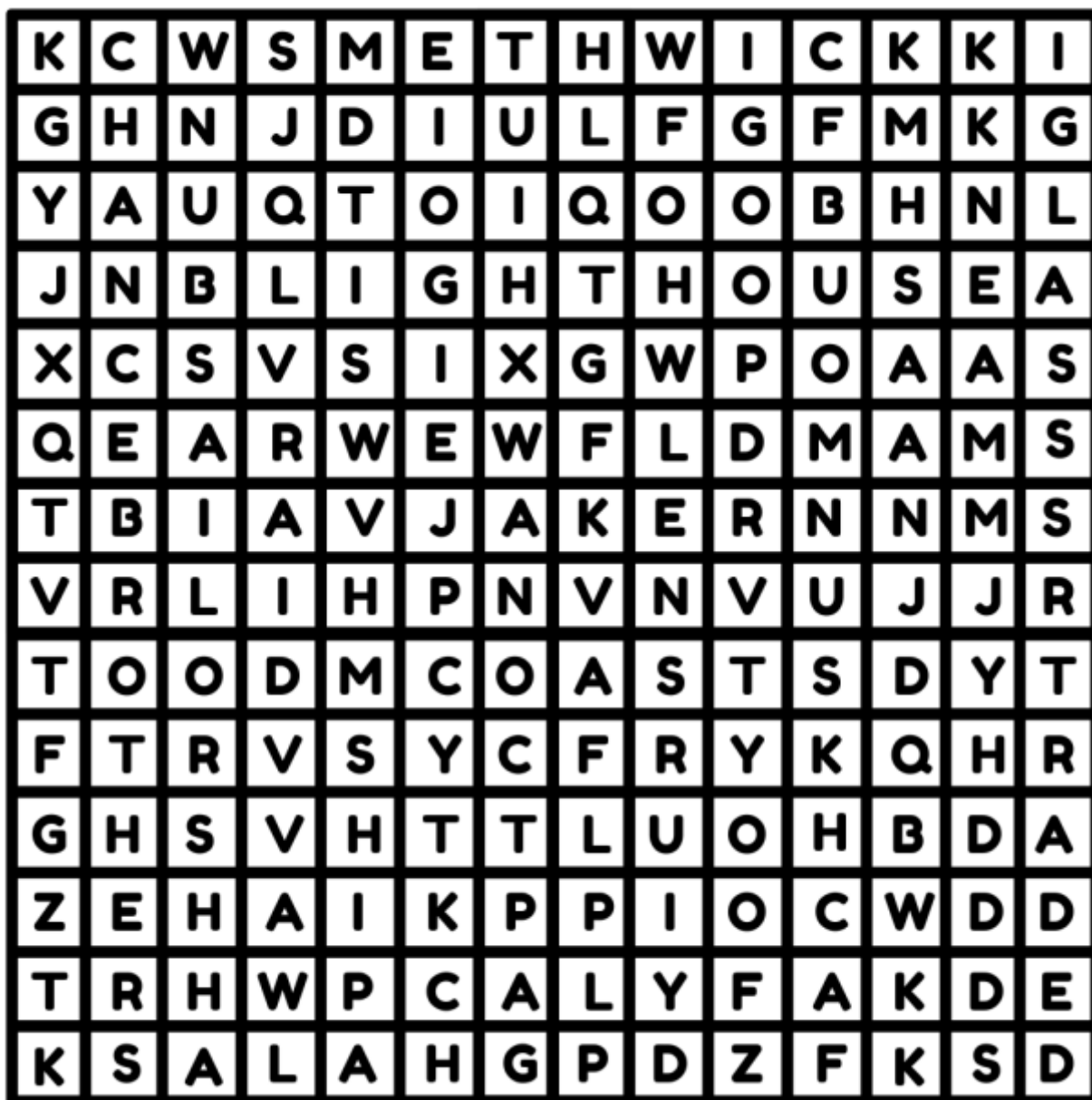
What do you think a lighthouse keeper does all day long?

A lighthouse keeper lives with _____ and _____. His favourite food is _____ and he likes to drink _____. Sometimes, he _____. He likes to _____ in his free time. And _____ times a day, he makes sure the light in the lighthouse is still on. On his day off, he goes to _____.

Lighthouse word search



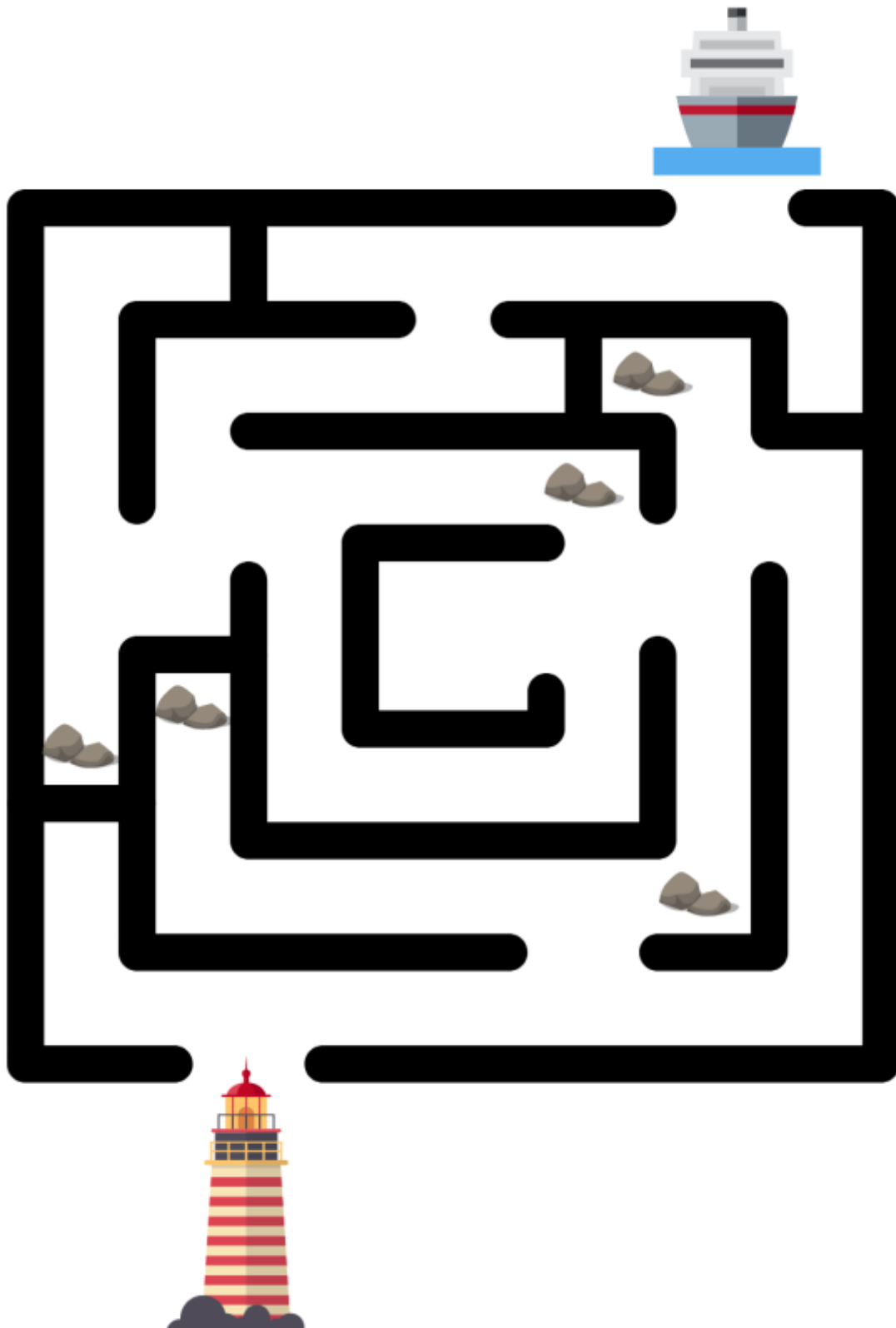
How many words related to lighthouses can you find?



Answers: Sea Coast Lighthouse Ship Lens Chance
Brothers Smethwick Rocks Glass Sailors Cliff Trade

Troubled Waters

Can you guide the ship to the safety of the lighthouse?
Watch out for rocks!



In 1929, Chance Glassworks was asked to design a lighthouse to send light signals all the way to Mars. Plans were drawn, but it was too expensive to build.



What message would you send to Mars
to tell them about life on earth?



A large rectangular box containing ten horizontal dashed lines for writing.

Chance Glassworks did not only produce lenses for lighthouses.

They created all sorts of things out of glass.

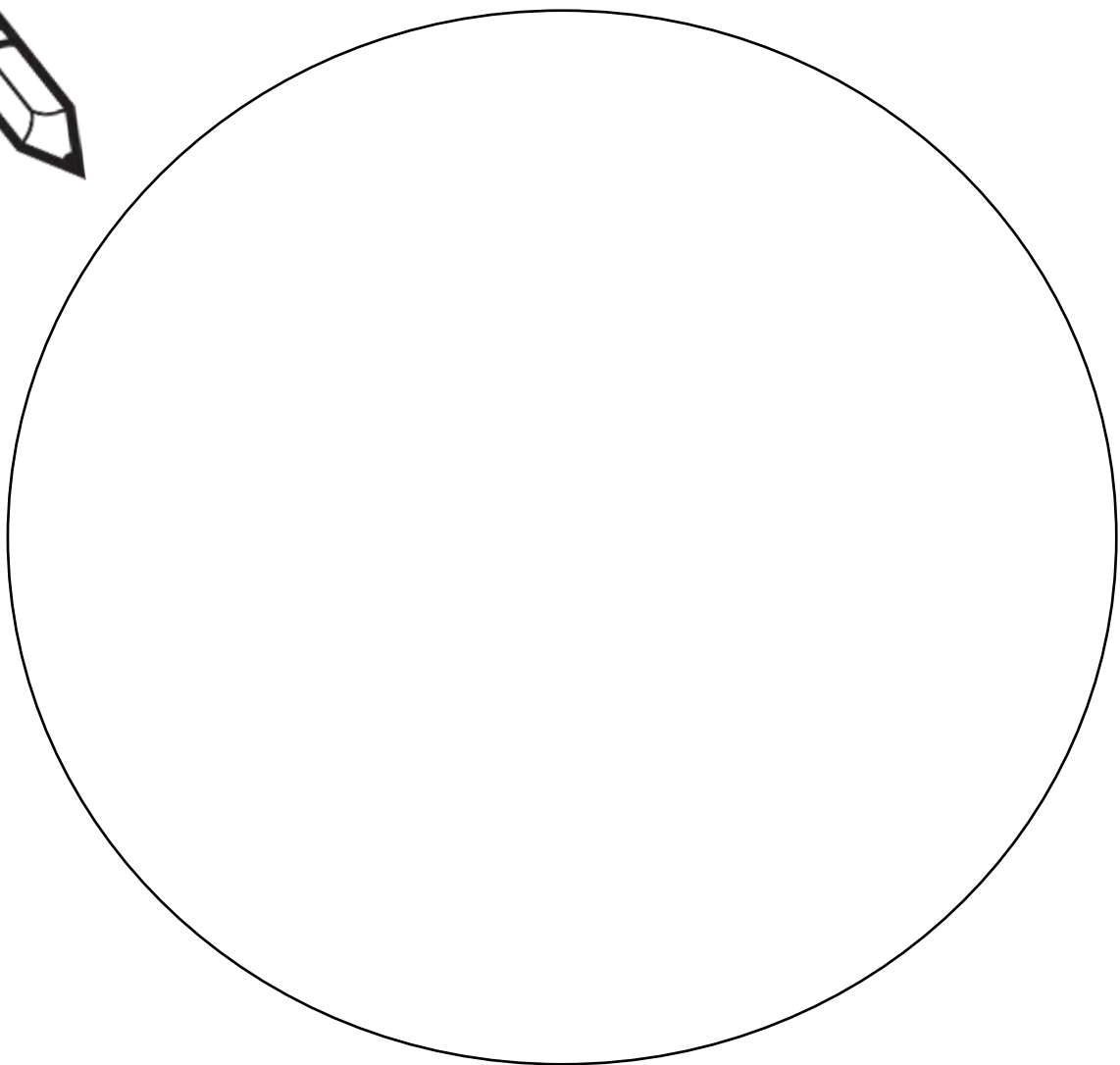
Can you think of other objects that are made of glass? **Draw them here!**



Chance Glassworks made glass plates with all sorts of designs.



Draw a design you would you put on a plate.



Well done! You completed all the activities!



We would love to see what you came up with. If you want to share your designs with us, send an email to info@chanceht.org

Or share it on Twitter or Facebook using #MadeInSmethwick

This booklet is part of the 'Made in Smethwick' project and funded by the Community Renewal Fund. The project has been delivered by DigVentures with Chance Heritage Trust.