



DRIVE THRU

THE SEARCH FOR SALT

by
Shalini Vallepur



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SALT

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Minneapolis, Minnesota

Credits

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HOP IN THE DOUGH KNOT



Welcome to my food truck,
the Dough Knot! My name
is Nick, and I make the
tastiest **pretzels** in town.
Which one would you like?

* MENU *

Salty pretzel

Cheesy pretzel

Pizza pretzel

Oh, no! I've run out of salt! I use salt to make my pretzels! I need to get more salt. Hop in the Dough Knot and come with me!



THE SEARCH FOR SALT

We get salt from brine and rocks called halite. Brine is water that has salt in it.





Halite

Halite comes
from sea water
and salt lakes.

Halite can be found
around the world. Brine
can be found in sea
water and in some lakes.

WHERE IN THE WORLD?



Halite is usually found underground in hot places. Big **mines** are built to bring up the salt.

Salt mine

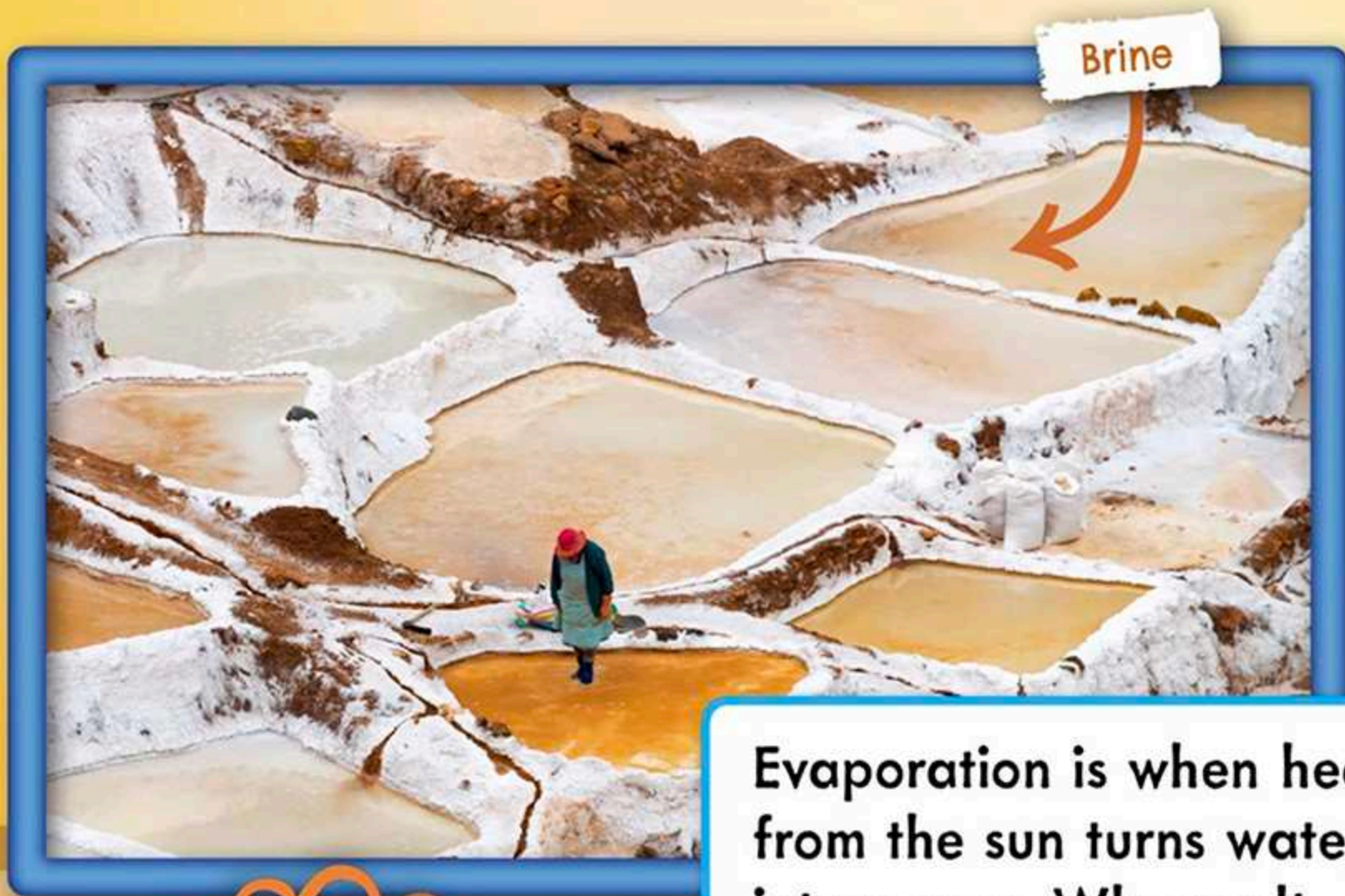
The three biggest salt-making countries are China, the United States, and India.

The Dead Sea has
a lot of salt in it.

To get salt from
brine, the salt needs
to be taken out of
the water through
evaporation.

Dead Sea, Jordan

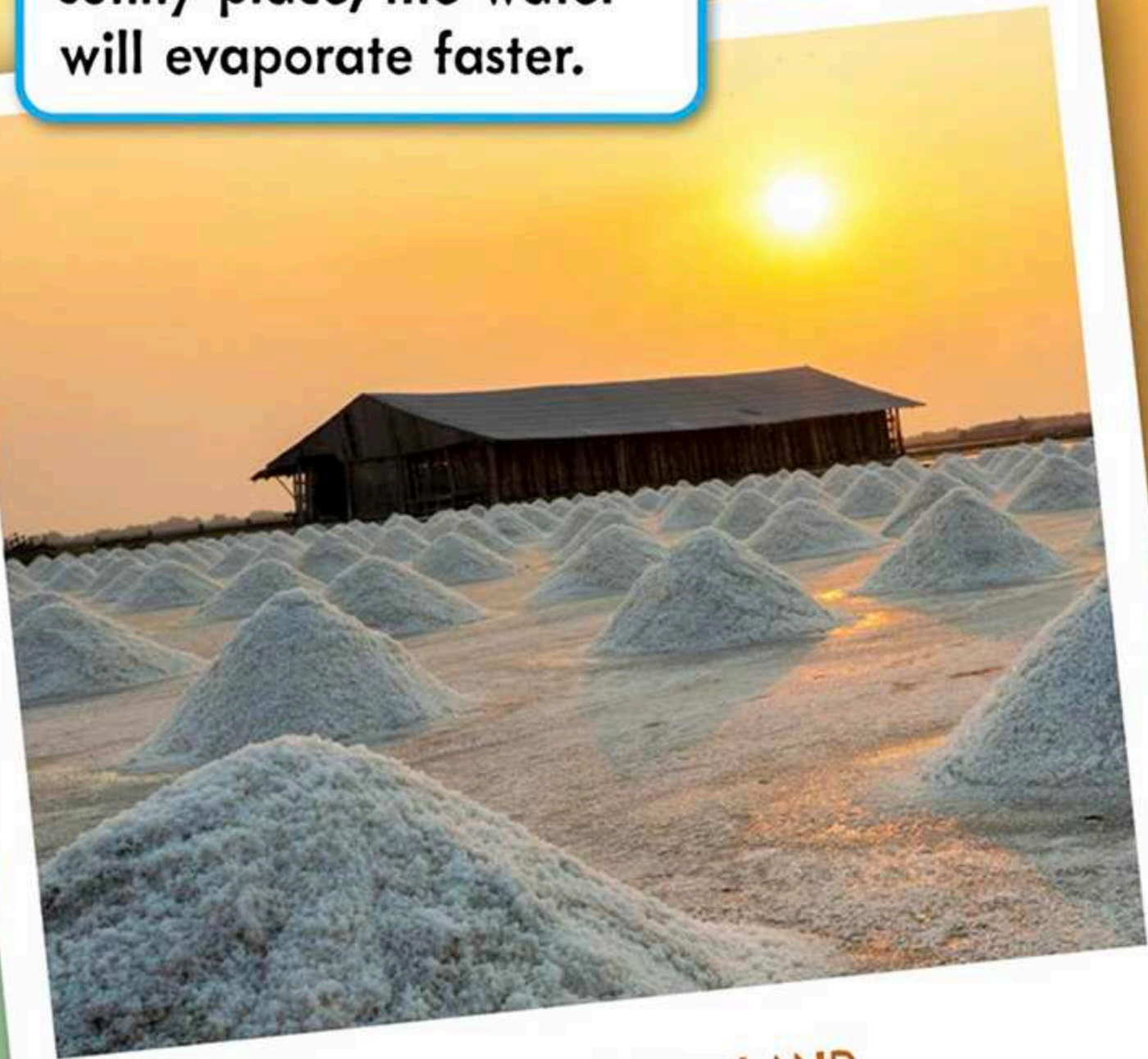
PERFECT WEATHER



Evaporation is when heat from the sun turns water into a **gas**. When salt water evaporates, the water becomes a **vapor**, and salt is left behind.

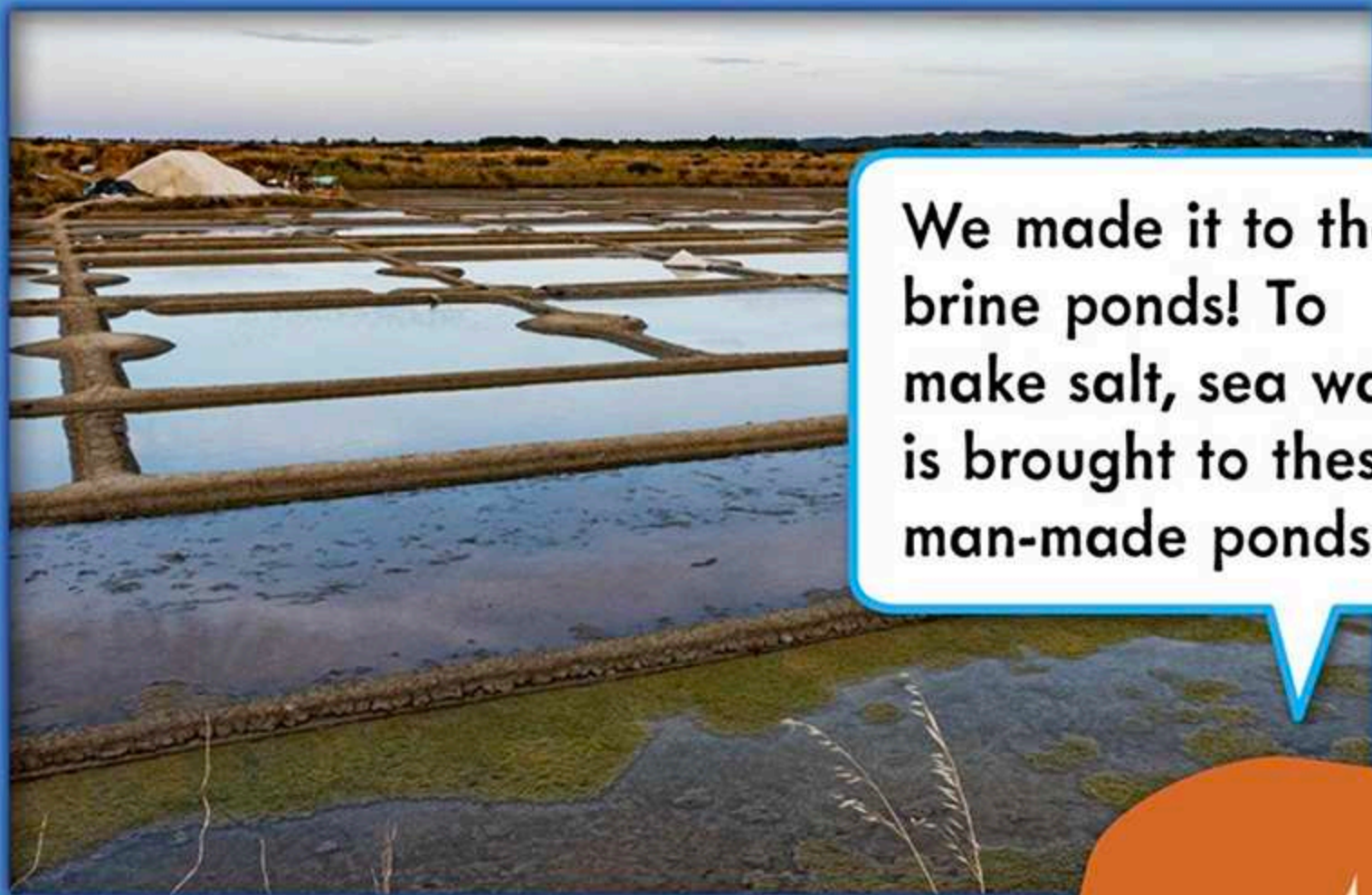


If salty water is in a hot, sunny place, the water will evaporate faster.



BRINE PONDS, THAILAND

THE BRINE PONDS



We made it to the brine ponds! To make salt, sea water is brought to these man-made ponds.



The Sun's warmth
evaporates some of the
water. Sand and dirt sink
to the bottom of the pond.



Dirt is removed from
the ponds to keep the
water and salt clean.



SCOOPING SALT

In Thailand, it takes about four months for the water to evaporate. Salt crystals are left behind.

Workers gather the salt into piles.



SALT CRYSTALS

When all the salt is piled up, workers scoop it up and carry it away. It is then stored or taken to a factory.



Sometimes, machines are used to scoop up the salt.



TO THE FACTORY

The salt crystals are cleaned at a factory using very salty water.

Washing salt



The salt crystals are then ground down to become smaller. This type of salt becomes table salt.



Salt that hasn't been ground small has more **minerals** in it.

MORE SALT

Table salt is just one type of salt. Sometimes salt crystals are not ground small. This salt is called rock salt or kosher salt.



Himalayan salt is found in mines in Pakistan. It is a type of pink rock salt. It is used in cooking, but it can also be used to make lamps!

Himalayan
salt lamp



HIMALAYAN SALT



A WORLD OF SALT

Salt is very important to people. Before we had refrigerators, salt was used to kill germs on meat and fish to make the food last longer.





Rock salt is placed on roads during winter to make them less icy and slippery.



PRETZEL TIME!

I hope you enjoyed our search for salt! We made it back with enough salt for lots of pretzels. Which pretzel would you like?



* MENU *

Salty pretzel

Cheesy pretzel

Pizza pretzel

We need salt to help our muscles work the way they should. However, too much salt is bad for our bodies, so we need to make sure we eat the right amount.

Children need less than a teaspoon of salt each day. Only enjoy pretzels and other salty snacks as a special treat!



GLOSSARY

evaporation the process when a liquid such as water changes into a gas

gas a thing that is like air, which spreads out to fill any space available

minerals substances found in nature that are not plants or animals

mines deep holes or tunnels where substances such as salts or other minerals are found

pretzels snacks made from a type of hard, chewy bread, often shaped in a knot

vapor something in the form of gas



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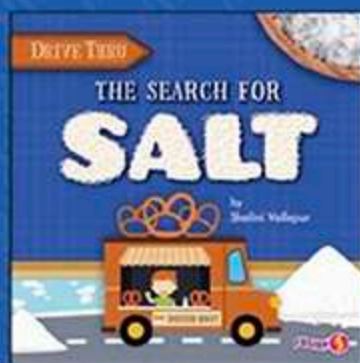
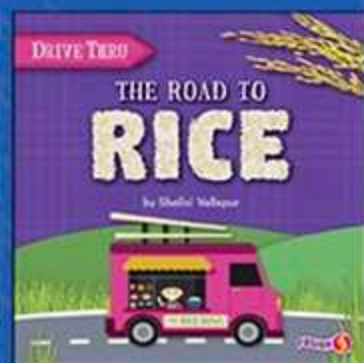
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THE SEARCH FOR SALT

DRIVE THRU

A salty pretzel can be a yummy snack. But where does salt come from? Hop in the Dough Knot to find out! You'll head off on an adventure to learn what happens to salt before it ends up on your pretzel.

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