



You see rain wash dust down from the mountains into lakes and rivers.

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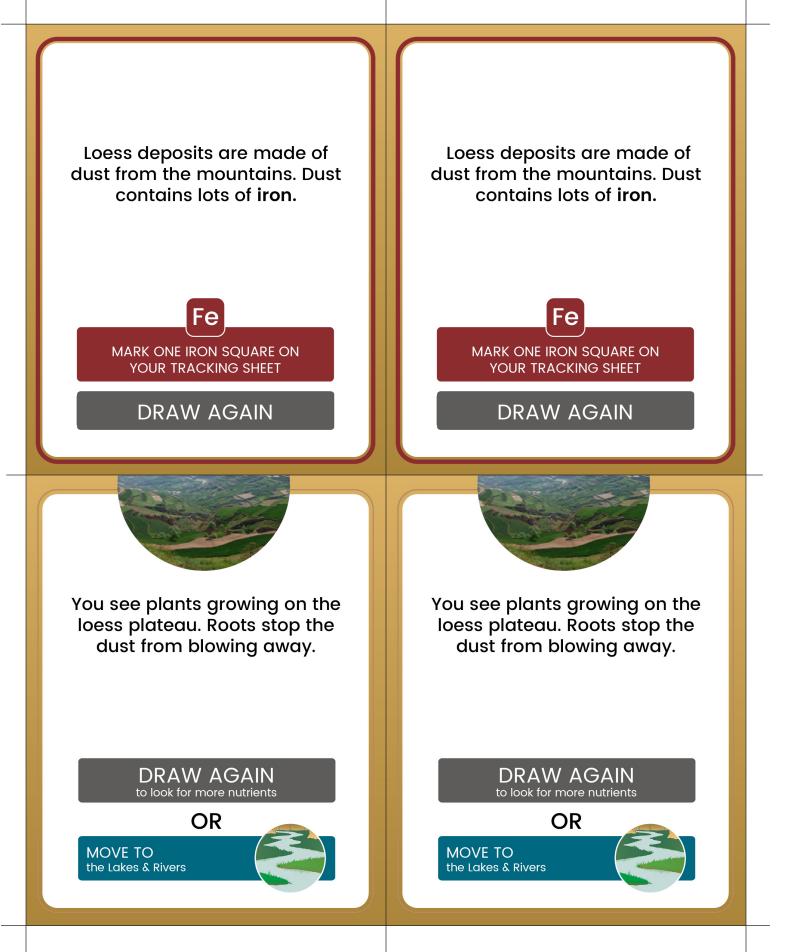




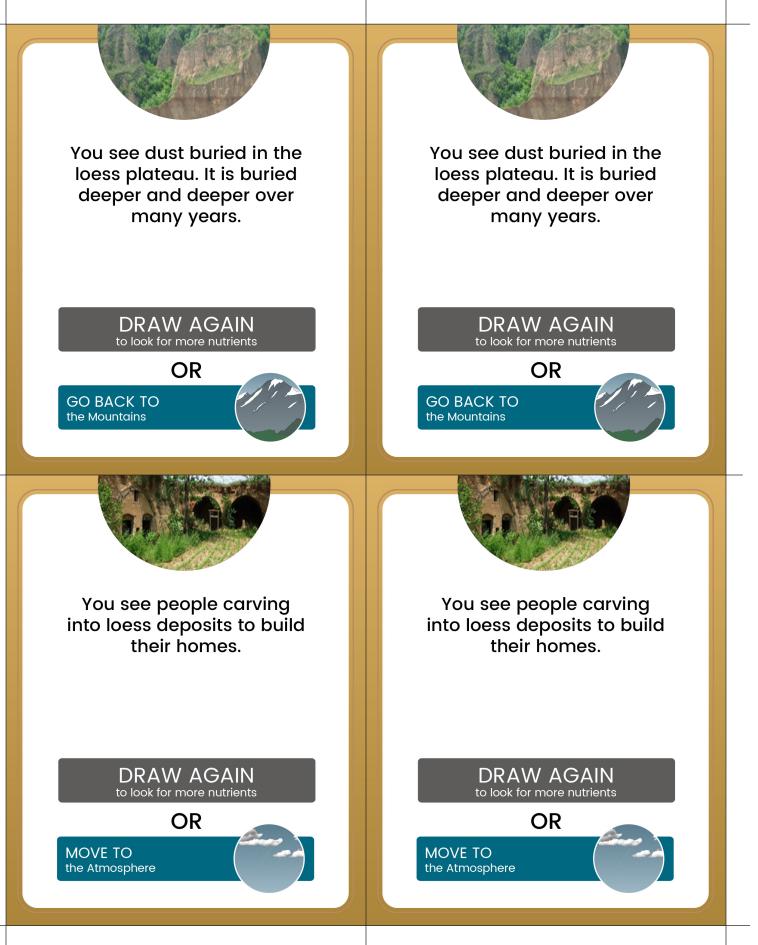




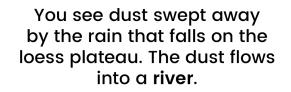










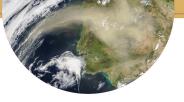


You see dust swept away by the rain that falls on the loess plateau. The dust flows into a **river**.



MOVE TO the Lakes & Rivers





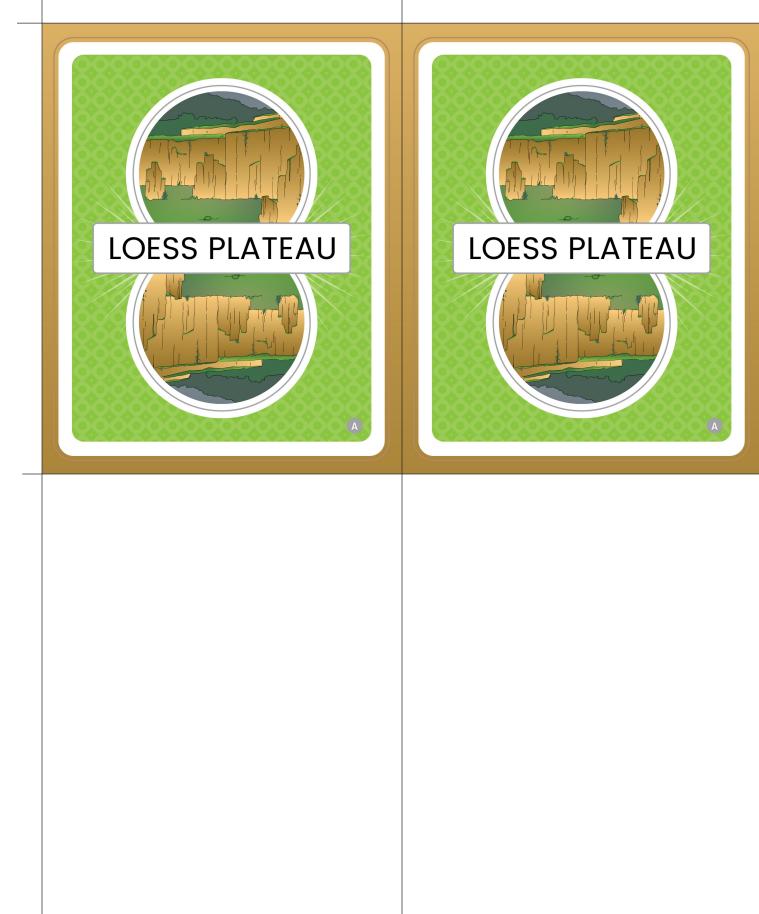
You see dust carried into the **atmosphere** by the wind.

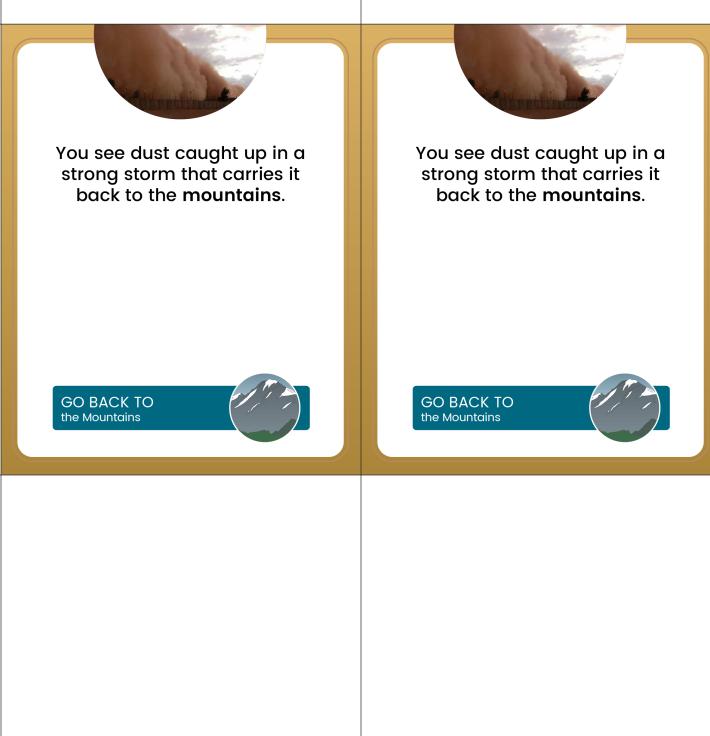


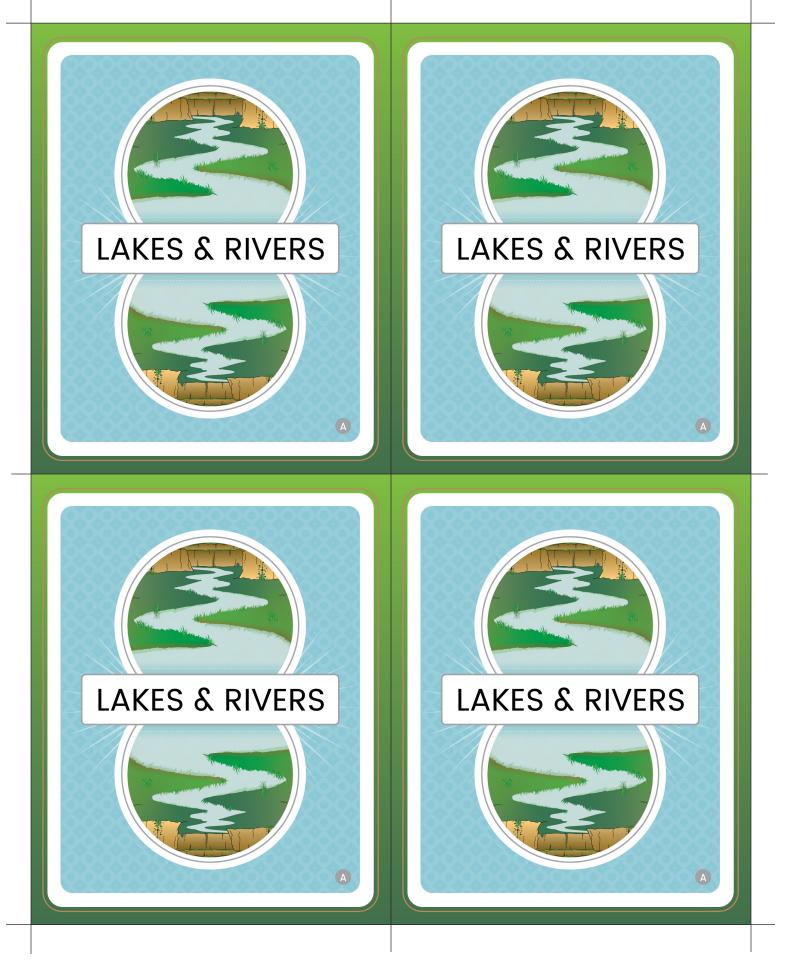
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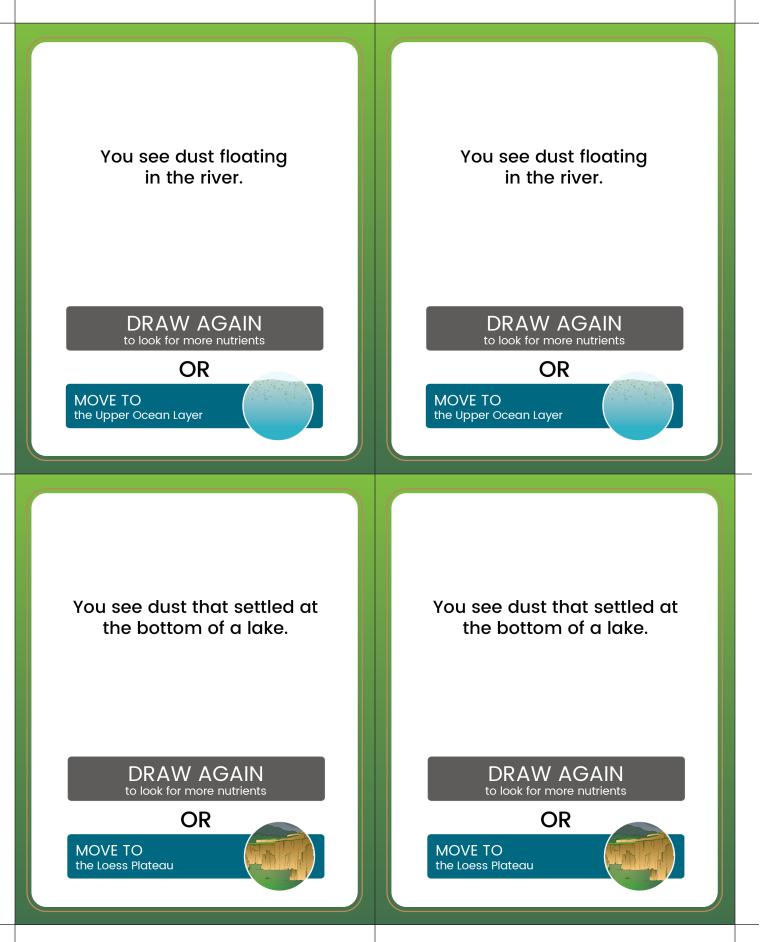


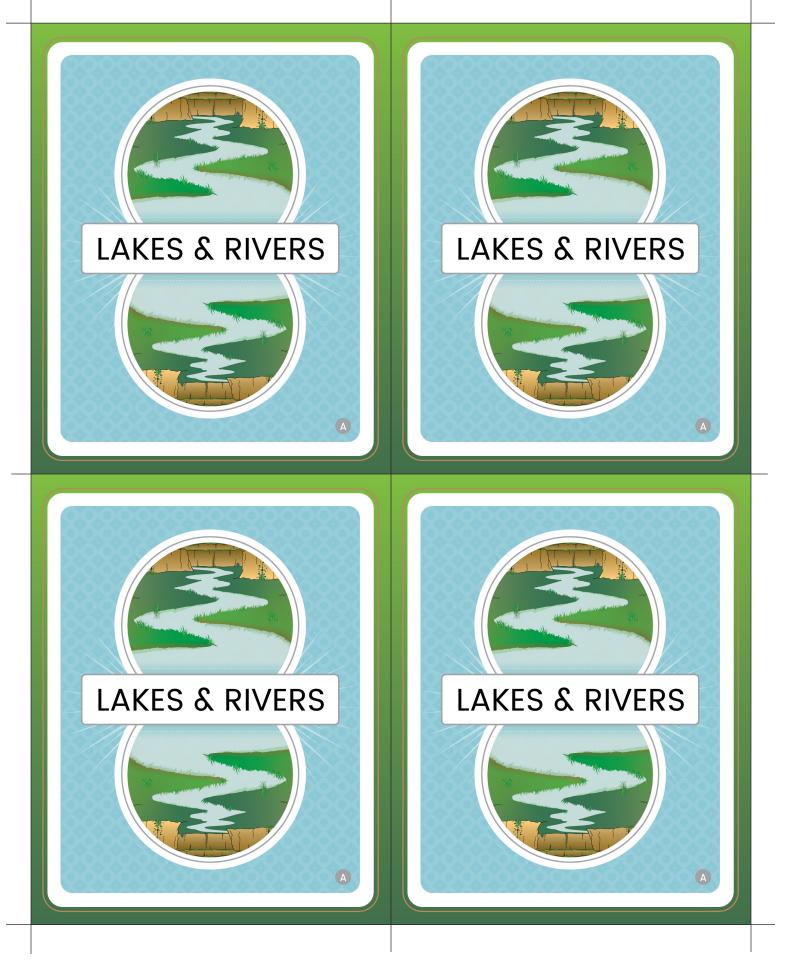
MOVE TO the Atmosphere

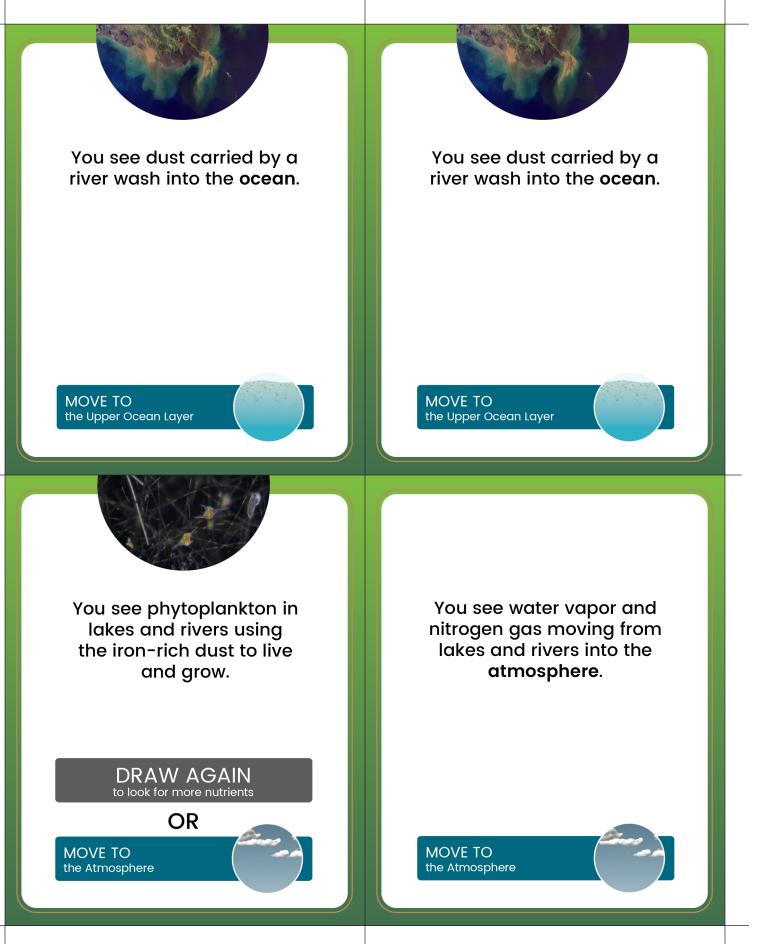


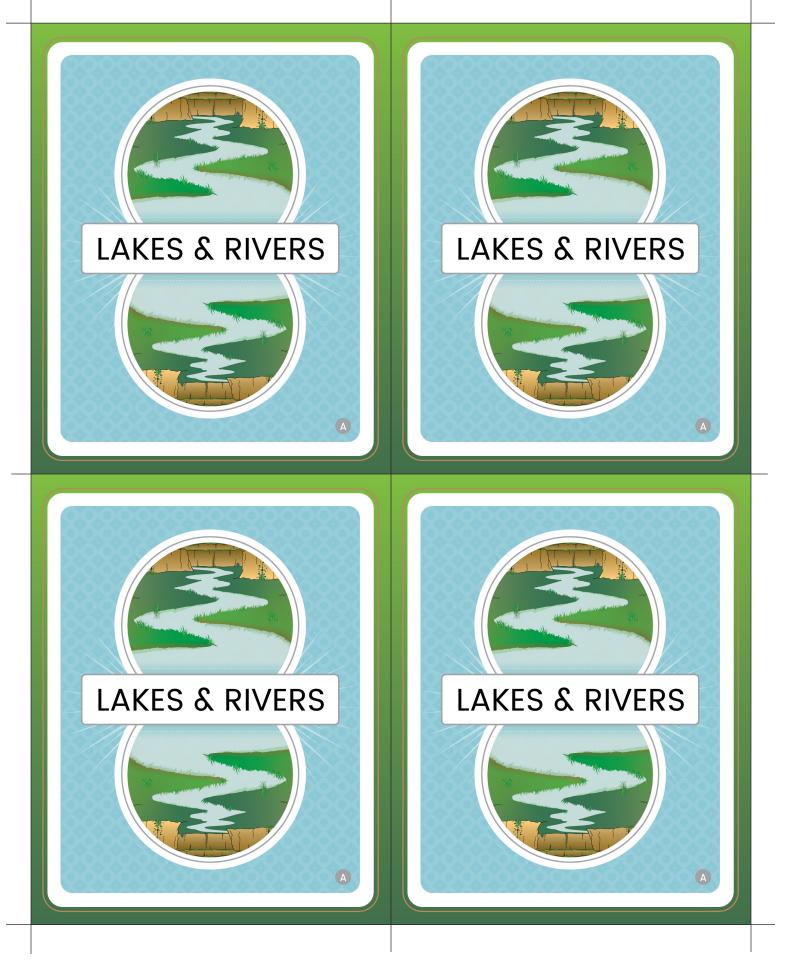




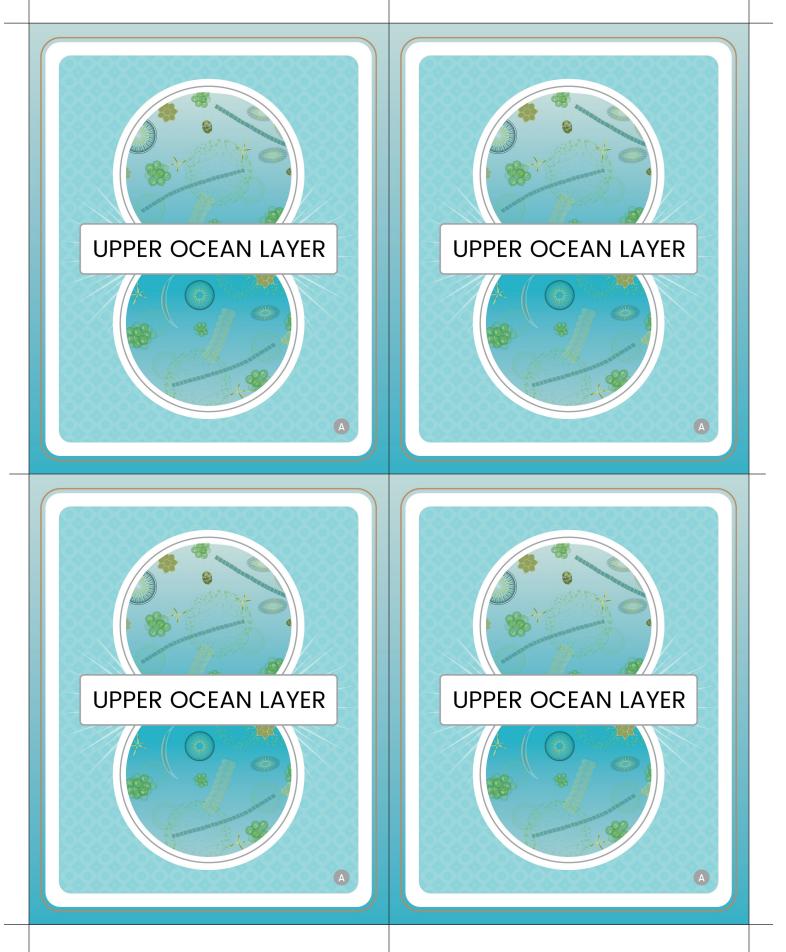


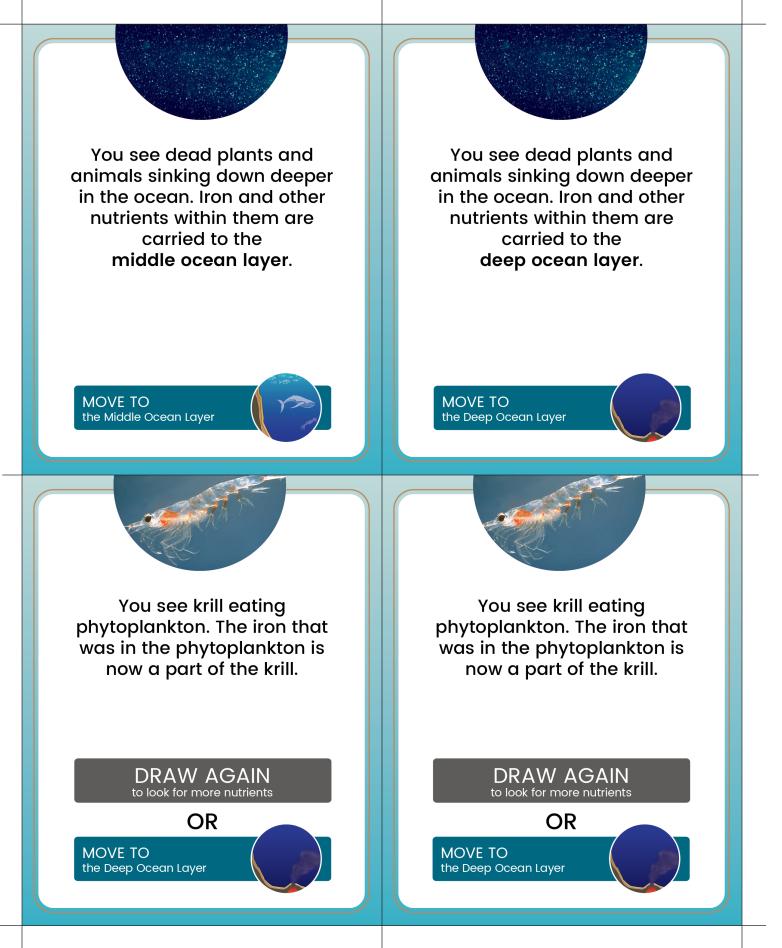


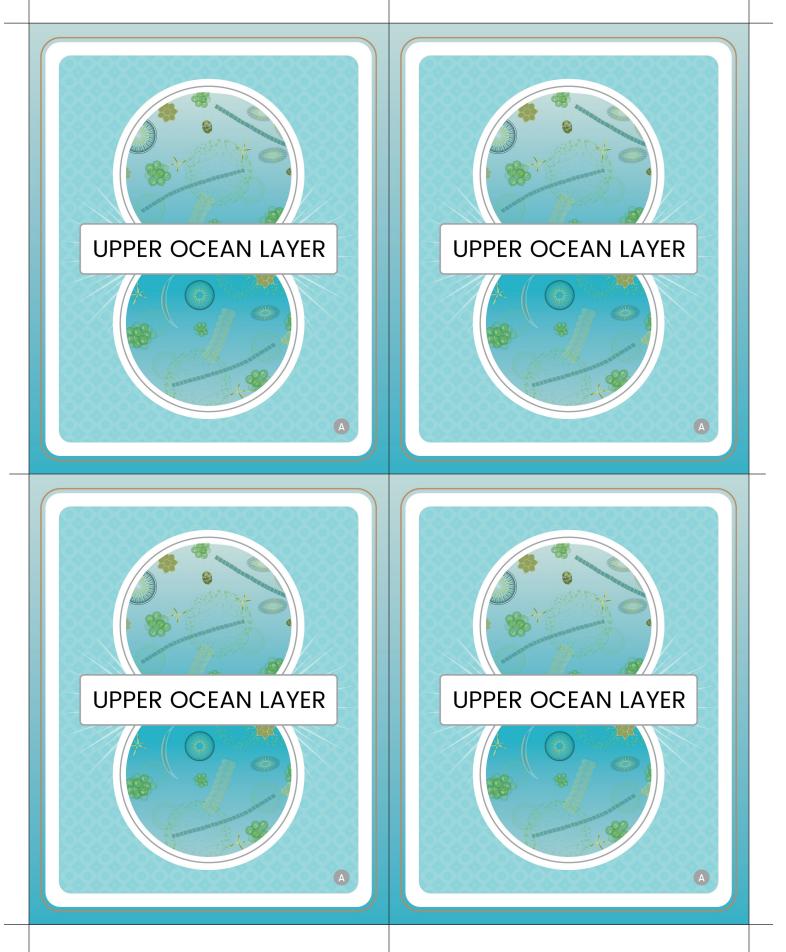


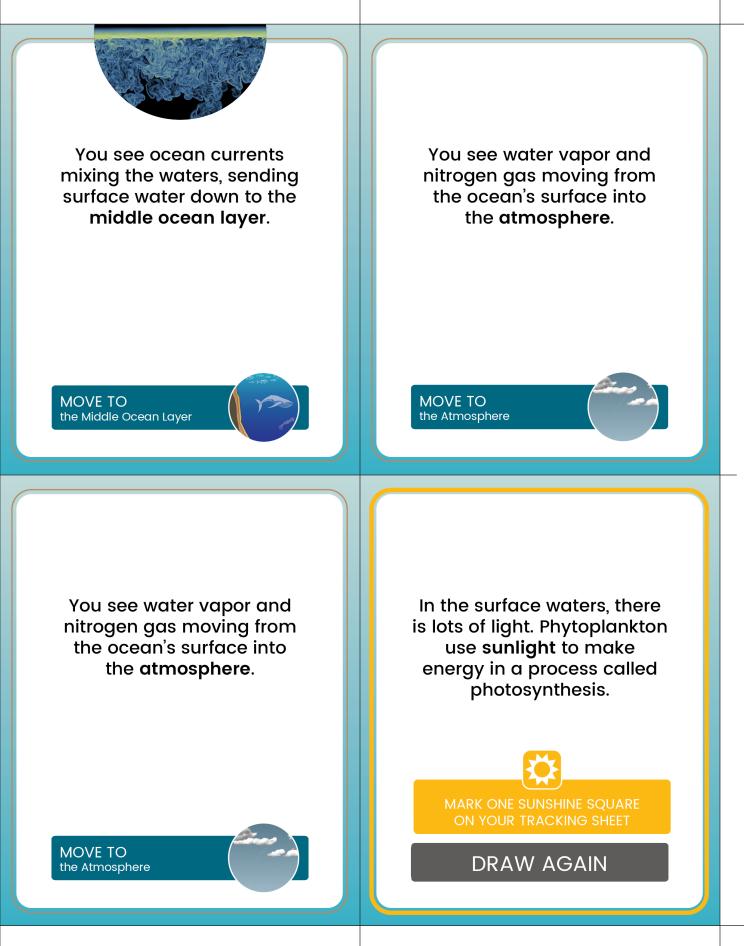


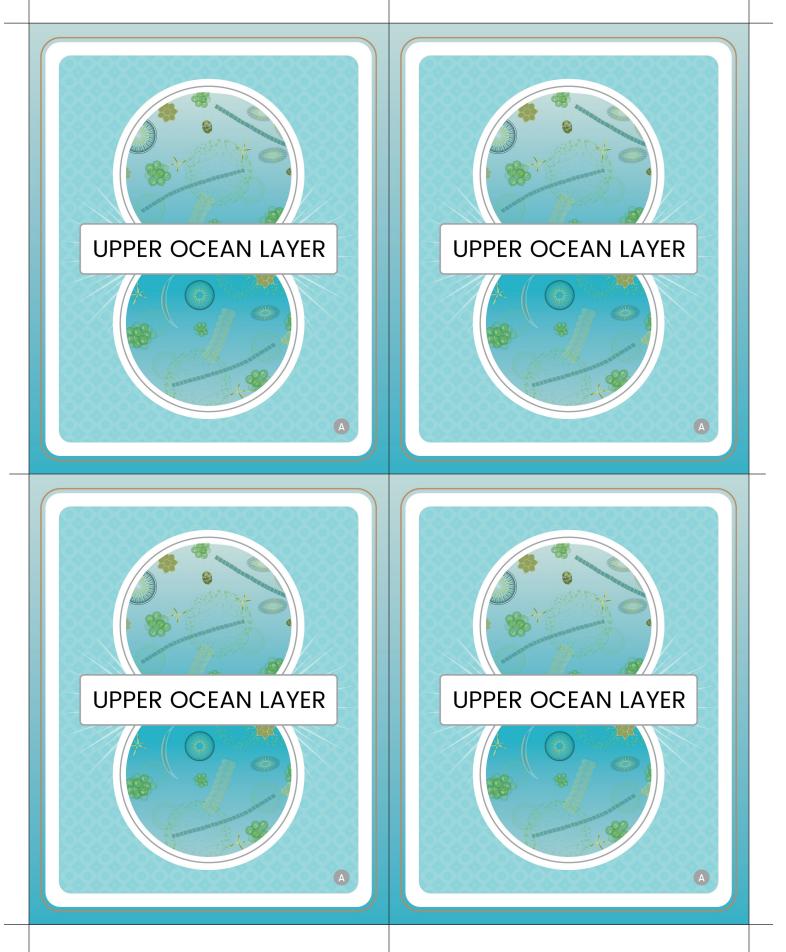
Plants and animals living in You see water vapor and the rivers release nitrogen nitrogen gas moving from lakes and rivers into the into the water after they die. atmosphere. Ν MARK ONE NITROGEN SQUARE ON YOUR TRACKING SHEET MOVE TO **DRAW AGAIN** the Atmosphere Plants and animals living in Plants and animals living in the rivers release nitrogen the rivers release nitrogen into the water after they die. into the water after they die. Ν Ν MARK ONE NITROGEN SQUARE MARK ONE NITROGEN SQUARE ON YOUR TRACKING SHEET ON YOUR TRACKING SHEET **DRAW AGAIN DRAW AGAIN**











In the surface waters, there is lots of light. Phytoplankton use **sunlight** to make energy in a process called photosynthesis.

> MARK ONE SUNSHINE SQUARE ON YOUR TRACKING SHEET

> > DRAW AGAIN

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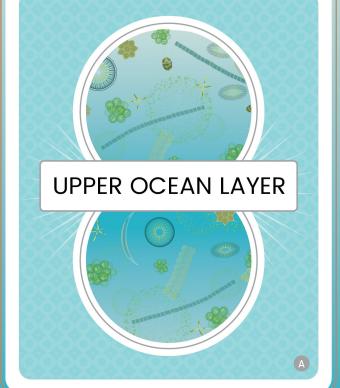


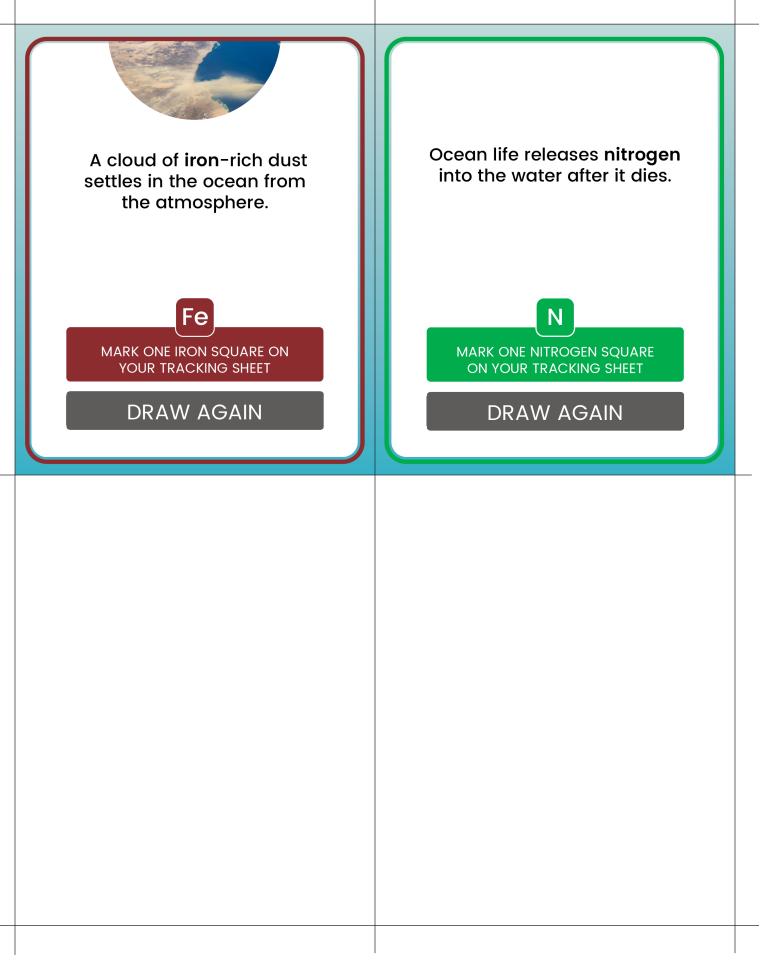
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DRAW AGAIN

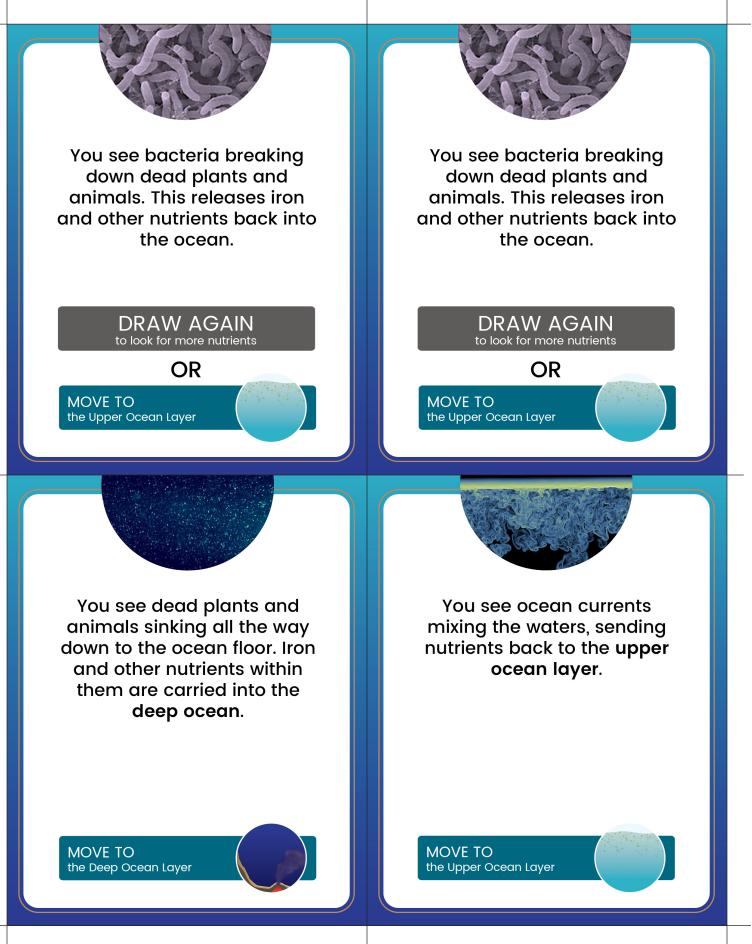


A











You see nutrients carried back up to the surface by ocean currents and then moving into the atmosphere as gas molecules.



phytoplankton. The phytoplankton contain iron, and that iron is released back into the ocean in whale poop.

> **DRAW AGAIN** to look for more nutrients

> > OR

MOVE TO

the Deep Ocean Layer



the Atmosphere

You see a squid eating phytoplankton. Phytoplankton contain iron, and that iron is released back into the ocean in squid poop.

You see pieces of rock break off from the edges of the underwater continent. This rock is rich in **iron**.

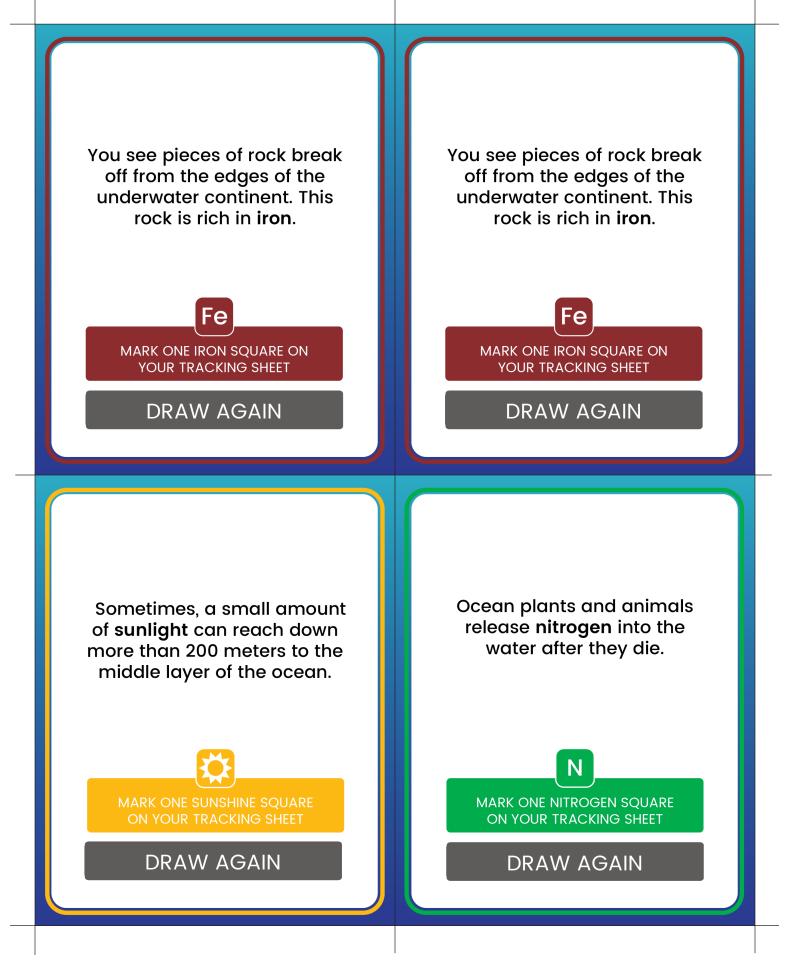


MOVE TO the Deep Ocean Layer MARK ONE IRON SQUARE ON YOUR TRACKING SHEET

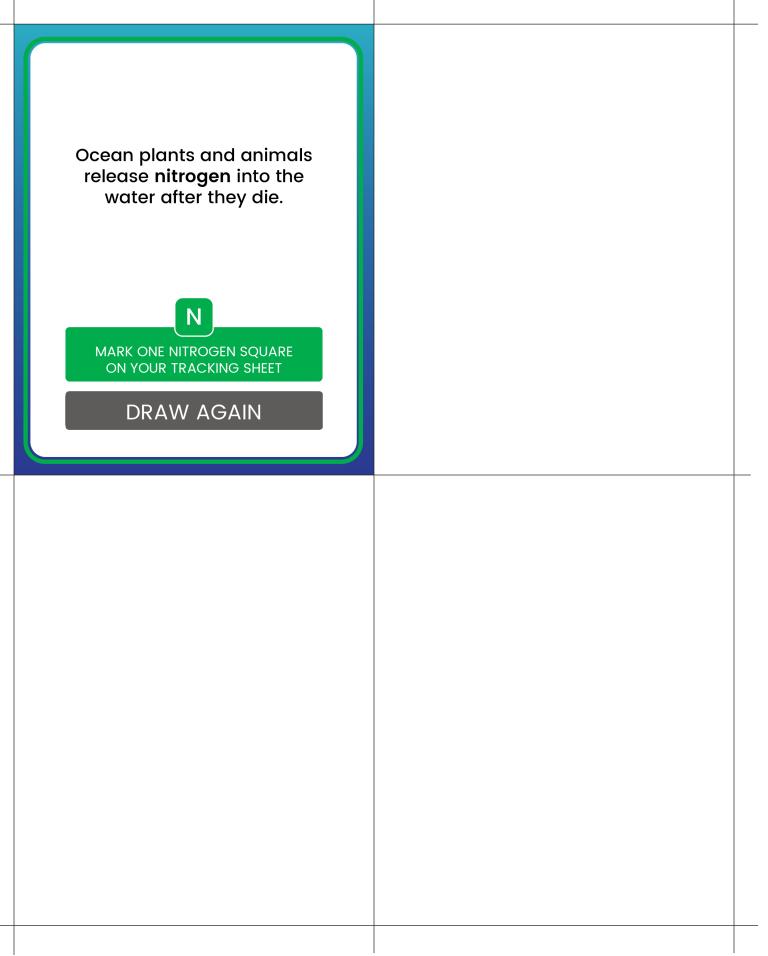
Fe

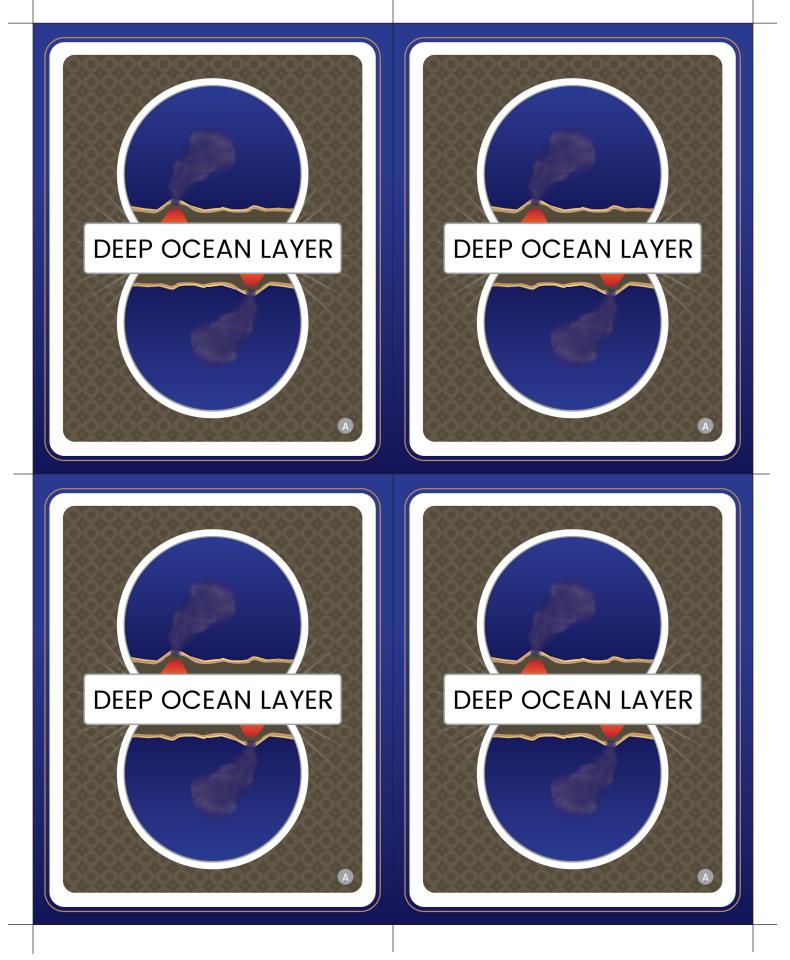
DRAW AGAIN

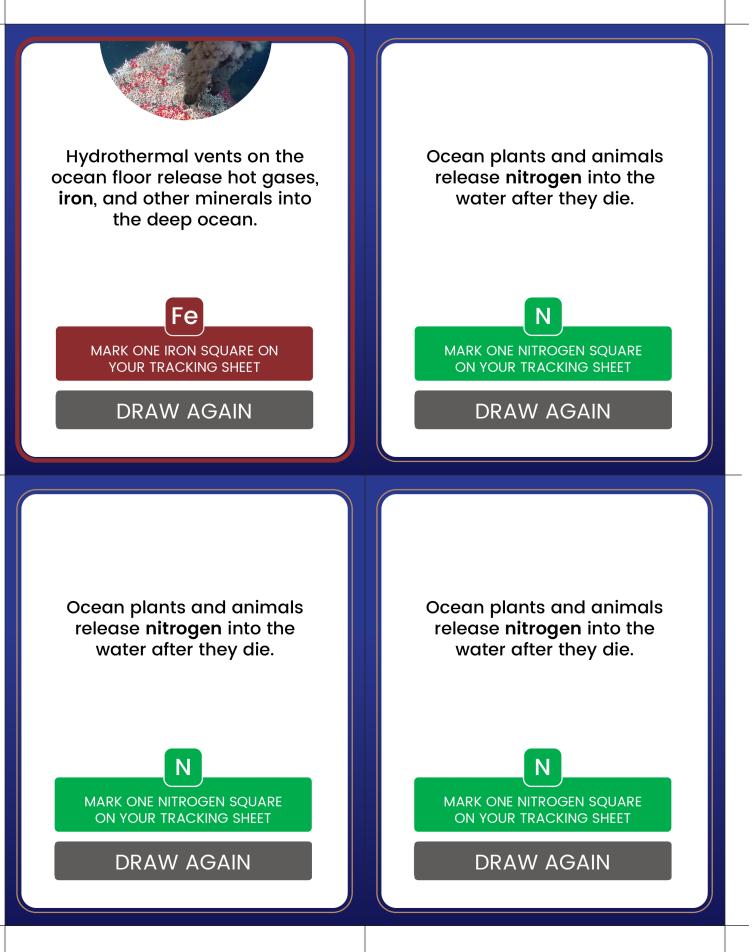


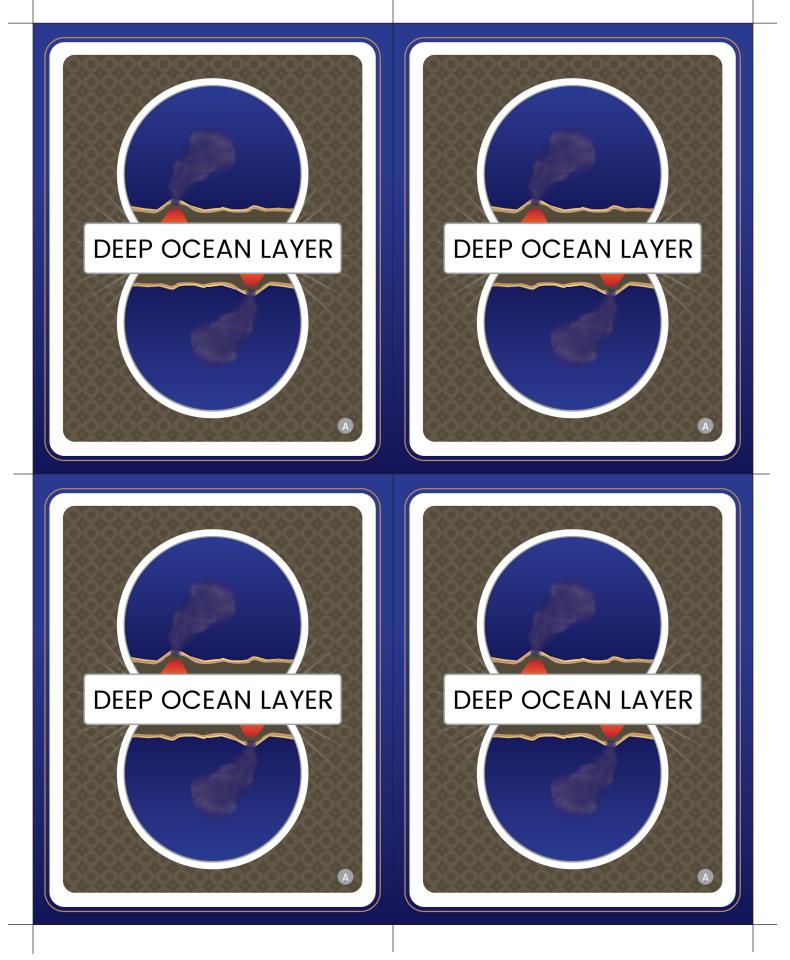


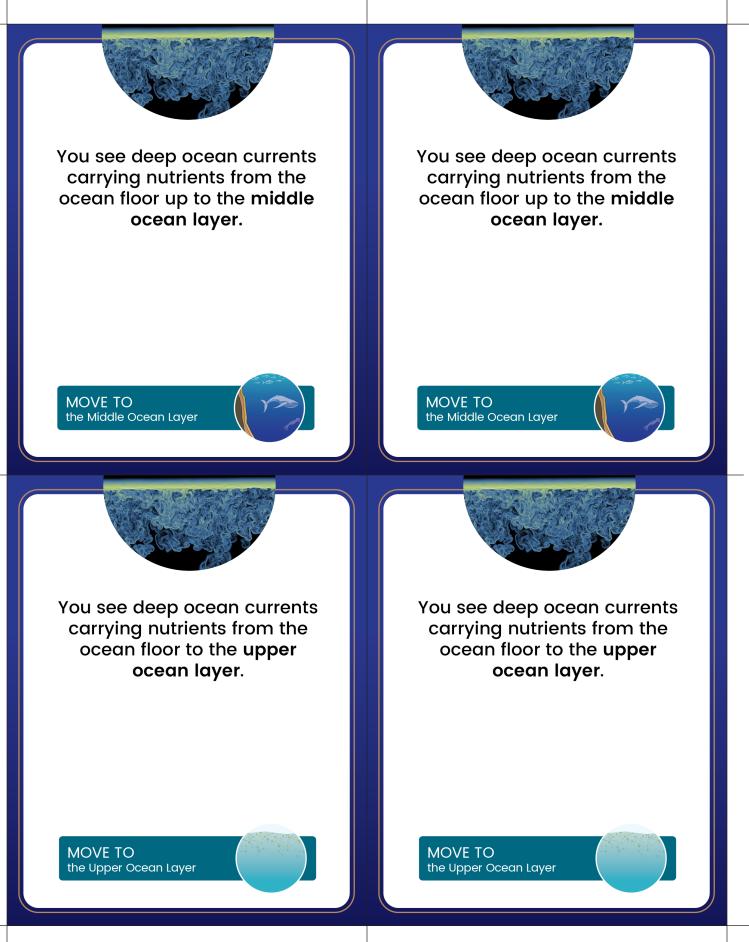


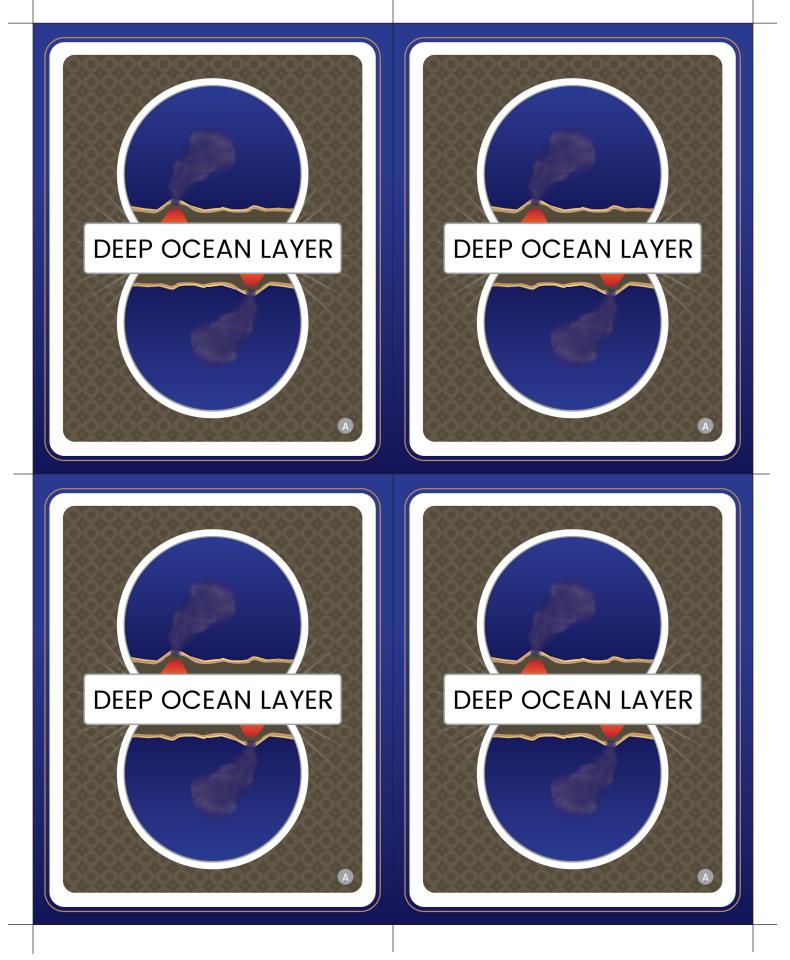












You see nutrients buried in sediments on the ocean floor for a very, very long time. You see nutrients buried in sediments on the ocean floor for a very, very long time.

DRAW AGAIN nutrients are trapped in the deep ocean! DRAW AGAIN nutrients are trapped in the deep ocean!

You see so many particles floating down from the ocean above that it looks like it is snowing in the lower ocean! The nutrients settle on the

ocean floor.

You see nutrients on the ocean floor dissolving into the water.



DRAW AGAIN to look for more nutrients OR MOVE TO the Upper Ocean Layer

