

AN OCEANOGRAPHY ZINE

PIPER MOHRING

HUNDREDS OF FEET DOWN IN THE DEEP OCEAN...

SHELLS, SKELETONS, PERISHED PLANKTON ...

ALL LIE TO REST IN A GOOPY GRAVEYARD.

THIS DECEASED DEBRIS DRIFTS
SLOWLY DOWN THE WATER COLUMN
TO COAT THE BOTTOM OF THE OCEAN,
FORMING A SLIMY SEDIMENT CALLED

OOZE.

17'S MADE UP OF AT LEAST
30% BIOGENOUS MATERIAL PRODUCED BY LIVING THINGS AND PILES UP SLOWLY, ONLY
A FEW CM PER MILLENNIUM.

THE PARTICLES OF SEDIMENT ARE MUD-SIZED (<63 Mm), ABOUT 2/3
THE WIDTH OF A STRAND OF HAIR.

Of White



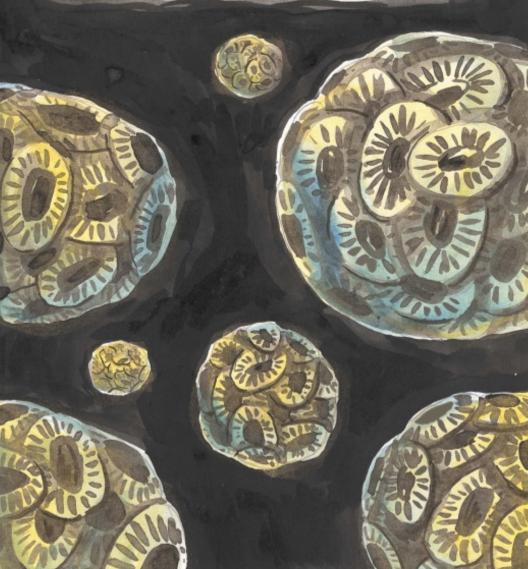
TYPES OF OOZE: CALCAREOUS AND SILICEOUS.

CALCAREOUS OOZE IS THE MORE COMMON TYPE, COVERING NEARLY HALF OF THE OCEAN FLOOR. THAT'S ABOUT THE AREA OF THE ENTIRE LANDMASS OF EARTH!



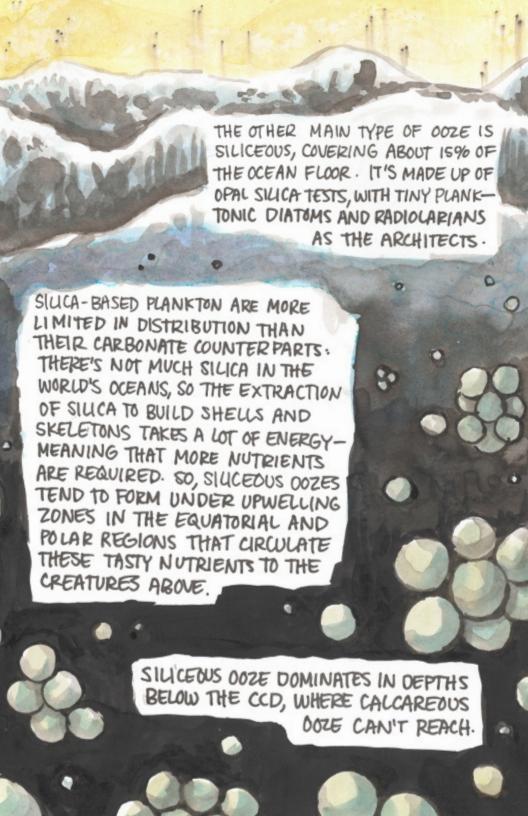


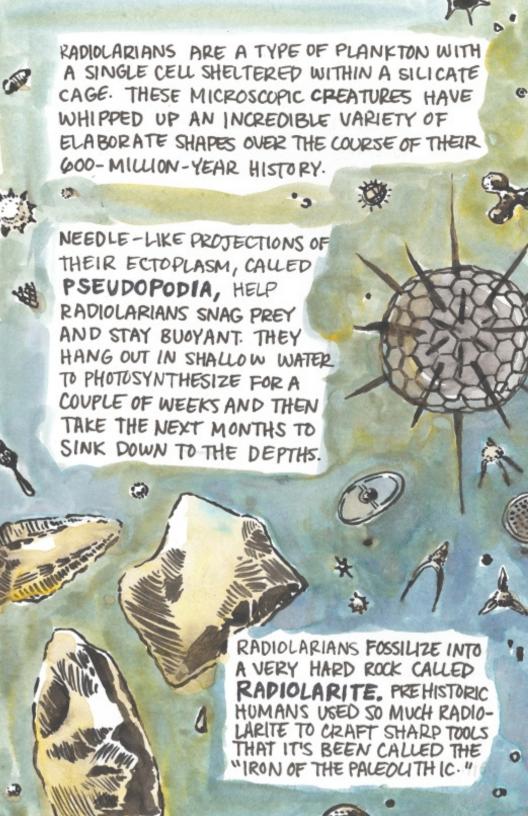
COCCOLITHOPHORES ARE A KIND OF SINGLE-CELLED PHYTOPLANKTON. THEY HANG OUT IN THE UPPER LAYERS OF THE OCEAN, SOAKING UP SUNLIGHT AND CHOWING DOWN ON NUTRIENTS TO POWER PHOTO SYNTHESIS. THESE TINY ORGANISMS SURROUND THEIR CENTRAL CELL WITH HUBCAP-SHAPED SCALES CALLED COCCOLITHS. WHEN COCCOLITHOPHORES KICK THE BUCKET, THEIR COCCOLITHS PILE UP ON THE OCEAN FLOOR.

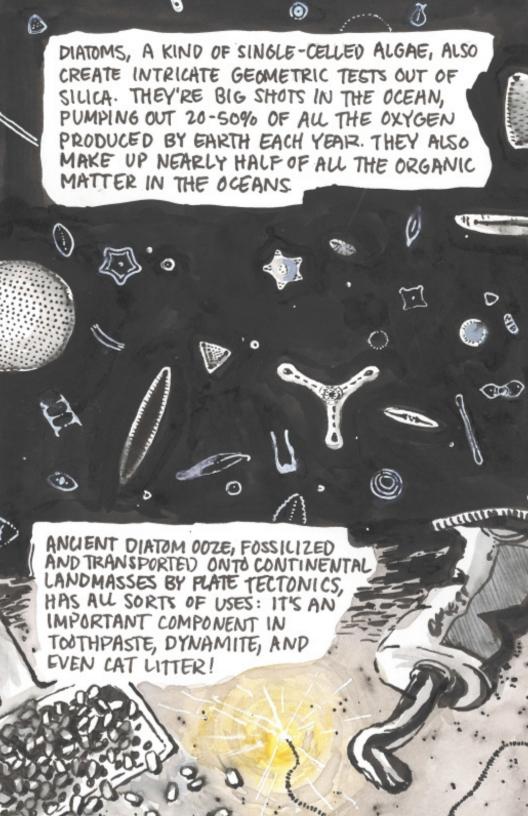


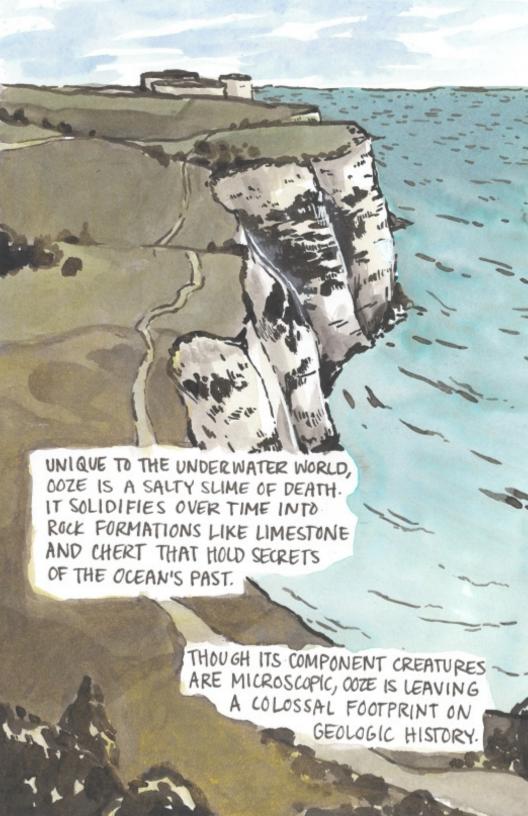












BIBLIOGRAPHY

"6.20: Oozes." Geosciences LibreTexts, *Libretexts*,15 Feb. 2021,

geo.libretexts.org/Bookshelves/Oceanography/Oce anography_101_(Miracosta)/06%3A_Marine_Sedi ments/6.20%3A_Oozes#:~:text=Ooze%20is%20sli my%20mud%20sediment,calcareous%20or%20si liceous%20in%20composition.

"Biogenic Sediments."
geology.uprm.edu/MorelockSite/morelockonline/8
-biogenic.htm.

Brazier, Hayley. "An Ode to Ooze." *Items,* Social Science Research Council, 9 Mar. 2021, items.ssrc.org/ways-of-water/an-ode-to-ooze/.

Hartsfield, Tom. "Most of the Seafloor Is a Thick Graveyard of Ooze." *Big Think*, 23 Jan. 2023, bigthink.com/life/seafloor-ooze/.

Kling, Stanley A, and Demetrio Boltovskoy. "What Are Radiolarians?" *Radiolaria.org*, 2002, www.radiolaria.org/what are radiolarians.php.