a geology breaks in half to grow

what qualifies limestone is its high quantity of calcium limy remains from fossilized marine debris clams oysters crustaceans gregarious in habit, roll around and accumulate

the stone is abundant across the globe but varies in texture, and slightly in composition Oolite limestone, common in Florida, comes from the greek "egg stone"—tends to have thin concentric layers analogous to tiny tree rings but spherical instead of cylindrical

cumulative

they grow and form in regions where currents are strong, forceful needing to keep moving in order to keep growing calcium ooze solidifies under weight and if there's a major geological event (a trauma) the stone can crystalize into marble (an un-feeling) or it might deteriorate (sentimental)

effervescing easily in any common acid of all the caves, limestone is most common.

Formed by snowmelt and rainwater seeping into the ground the water combines with underground carbon dioxide—a product of decaying organic matter which combines to create carbonic acid.

The acid eats away at the stone, creating channels until the channels are large enough to move through

what was buried there?

Limestone is known commonly for its commercial importance as a building material for flooring, building facades, monuments, landscaping, something ubiquitous its high fossil content has long fascinating researchers. When heated to temperatures of 1,700-1,800 degrees C its component parts are forcefully teased apart in a process called dissociation the stone is suddenly no longer a geology but an industry

dissociation occurs largely to extract calcium carbonate which has the ability to neutralize or reduce acids to prevent corrosion, decay a vital ingredient in the production of concrete, plant fertilizer, glass archival paper, official documentation the ingredients to build an empire and write its history

a combination of sand, soda ash and limestone are cooked together at a high heat to create glass soda ash speeds up the heating process but causes fragility. When scientists tested a prototype of the atomic bomb in the New Mexico desert in 1945 the explosion turned the immediate area of impact into glass but without the addition of limestone the glass just dissolves in water limestone toughens the composition holds the weight, takes new shapes with the transparency of glass to learn from

when limestone deteriorates from natural acids turning into a cave, or a system of caves, this process is called dissolution:

The closing down or dismissal of an assembly, partnership, or official body the dissolution of an empire time-stamped in geology

In a long line of laborers, what happens when the line is pulled hope and displacement a catch and release kind of growth where soda ash cooks the situation so fast we're left with glass—a brief mirror reflecting a dream. My own? tenuous because the stabilizing element is missing, held up

on the shore somewhere, in bureaucratic process

a dance where barnacles perform as county clerks sifting through personal histories, data recounted, organized, Then filed away or regurgitated as a mess of contingencies. Our existential confusion quantifiable as water toxins kicked and tongued, until the ache of desire and pain are entangled

"What is it like to be someone with many valences?"
Asked And, laying in the summer dark
maybe a coded way of telling me I'm opaque
"not at all" they say, going on to describe the anatomy of a cell

Valence → the potential for hydrogen bonding based on how many atoms are a part of a cell's structure etymology of the word traces back to 1425, from Latin, *valentia* meaning "strength and capacity" and from the German 1884, *valenz* meaning "combining power of an element"

with more valences, maybe there are more opportunities for connection the nature of minerals as growth magmatic or sedimentary

Dikes form when the earth splits and new land forms in the open area either slow and sedimentary (clastic) or hot and magmatic In both cases a geology breaks in half to grow Hanging suspended in the center of the installation is a black and white photograph of light illuminating two small points within a limestone cave. The print is 14 inches across and 21 inches tall, semi-transparent, and mounted on plexi-glass. On the floor, positioned directly below the print is a small pile of calcium carbonate (extracted from limestone). The print and calcium carbonate together are titled "the temperature of dissociation / the process of dissolution."