

# YEAH GEO

10-20	yea geo
0-2	you love to rez me without walling first
0-2	peaking in middle school
0-2	the entire acknowledgements section of atkins pchem
0-2	28 biochemical pathways
0-2	all 62 official and unofficial US state fishes
0-2	deep deep deep

1. RealEarth is a visualization platform developed by this university's Space Science and Engineering Center. As of November 2018, the CEOs of 14 Fortune 500 companies are alumni of this university, the most of any in the United States. Reverse transcriptase was first discovered by Howard Temin while at this school, whose alumni research foundation owns the patent for (+) warfarin. This institution shares its school colors with Montgomery Blair High School and it is the birthplace of Alpha Chi Sigma, the professional chemistry fraternity. Its mascot shares its name with the only 850 credit gun in VALORANT and a related institution hosted the 2016 Science Olympiad National Tournament. It is home to the (\*) ICECUBE Neutrino Observatory and was the birthplace of America's Finest News Source, *The Onion*. Frontal lobe dysfunction may be assessed using a card sorting task created by two psychologists from this school. It is the only Big Ten school located in Wisconsin. For 10 points, name this official university of Wisconsin, the flagship campus of the UW system.

ANSWER: University of Wisconsin-**Madison** [prompt on partial or **UW**]

*The name of warfarin comes from WARF, the Wisconsin Alumni Research Foundation.*

<Sarva, yea geo>

2. A company based in this city continues to manufacture the iconic Model M mechanical keyboard and it is also home to the headquarters of A&W. Professor Robert B. Grossman, author of *The Art of Writing Reasonable Organic Reaction Mechanisms*, who apparently got his PhD under Buchwald, teaches at a university in this city. It's not Baltimore, but the Addiction Research Center was originally based in this city, whose (+) Federal Medical Center is referenced by the title character of the William S. Burroughs novel *Junkie*. Cabell's Dale, a plantation formerly owned by John Breckinridge, is located in this city. A quizbowl tournament held in this city included teams such as Virginia C and China Rainbow, and included an infamous tossup on (\*) Nicaraguan sign language. Its nicknames include the "Athens of the West" and the "Horse Capital of the World." For 10 points, name the city where Kentucky University hosted NASAT in 2018 and 2019.

ANSWER: **Lexington**, Kentucky [do not accept or prompt on "Lexington, Massachusetts"]

<Sarva, yeah geo>

3. A Science Olympiad team in this state owns the scienceolympiad.com domain. The Channeled Scablands was a region located in what is now this state that formed due to the breaking of a section of the Cordilleran ice sheet; that region, which is not in Minnesota, New York, Idaho or Wisconsin, includes a lake that's just called Rock Lake which formed from the aforementioned (+) Missoula floods. The Rain City Superhero Movement led by real-life superhero Phoenix Jones was based in this state, which also has the largest ferry system in the country. The infamous 2007 RainFurthest furry convention was hosted in this state. Notable alumni from its namesake university include Rainn Wilson and Bruce Lee. The Snohomish-King county homeschool Science Olympiad team is located in this state that is currently governed by (\*) Jay Inslee. The headquarters of Nintendo of America and Microsoft are located in this state. For 10 points, name this Evergreen State with its capital at Olympia named after the first president.

ANSWER: **Washington** [or **WA**]

<Sarva, yeah geo>

4. Heteroatoms exhibiting this effect react alone and generally do so independently of their neighbors. Such reactions proceed via "mysterious" intermediates, a term coined by Aplin and Advani. Novel sonochemical attempts to characterize compounds exhibiting this effect have failed, while photochemical probing has revealed kinks in the potential energy surface. Those two approaches, each pursued by rival research groups, led one side to compare studying this effect to (+) "living life on the edge." That chemist proposed a controversial hypothesis that enzymes whose active site contains amino acids exhibiting this effect are linked with increased intelligence and rebelliousness. In a 2021 survey, 87 percent of chemists surveyed claimed to understand this effect, but fewer than one percent of such respondents were actually able to explain its abstract and distinctive nature. Deep learning has been applied to adaptive models for parameterizing the electron density function around hydrogen-like atoms exhibiting this effect. For 10 points, name this super rare effect exemplified by *lone* atoms that (\*) choose to react outside of normal reaction pathways, thus making it superior to the related alpha and beta effects.

ANSWER: **sigma** effect

<Sarva, the entire acknowledgements section of atkins pchem>

5. This city is home to America's oldest tofu shop, Ota Tofu. A repository for software design patterns named for this city was originally accompanied by WikiWikiWeb, the first ever wiki page. The second-largest copper repousse statue in the US, second only to the Statue of Liberty, is located in this city, and names an (+) AMC sketch comedy series; that statue stands in front of the first major postmodern tall office building. Prior to its renaming in 1935, the University of [this city] was named Columbia University. It shares its name with a city in Maine home to the largest airport commonly referred to as a jetport. Connor Shu of Sunset High School researched with the Moeck group of another university in this city. In 2011, this city was dubbed the “deadliest drug market” in its region of the country, while in 2010, ABC dubbed it “Pornland” for its widespread child trafficking. The mineral form of (\*) calcium hydroxide is sometimes named for this city. For 10 points, name this most populous city in Oregon.

ANSWER: **Portland**, Oregon [accept **Portlandia** or **portlandite**; accept **Pornland** before mention]

*The modernist architect Pietro Belluschi said after the opening of the Portland Building that there were only two good things about it: “It will put Portland on the map, architecturally, and it will never be repeated.”*

<Sarva, yeah geo>

6. These objects are employed by namesake artists who may utilize “wound bead” or “fuming” techniques to decorate their works. Boxes of this name are the smallest post boxes used by the Royal Mail in the United Kingdom. In 2013, US News ranked a high school of this abbreviated name as the top magnet high school in the country. This is the name of a molecular dynamics program created by Sandia National Labs. Resistive opto-isolators often consist of (+) photocells coupled to these objects. Jason Cannon is the author of a book on increasing uptime in applications built around a construct named for these objects. In the parable of Jesus that precedes the Parable of the Growing Seed, one of these devices is hidden by being placed under a bowl. It’s not a “hall,” but the first “encounter dialogues” in Chan Buddhism are recorded in a text called *The Transmission of the [this word]*. Chromosomes transform into a form partially named for these devices during the diplotene stage of prophase I in most non-mammals. A 2019 Veritasium video debunked the effectiveness of one type of these devices utilizing mass spectrometry. Rayleigh-Taylor instabilities in another form of these objects allow them to be used for (\*) random number generation. They name an alternative callout for U-hall on Bind. For 10 points, name these objects that come in table, floor, Himalayan salt, desk and lava varieties and are often covered with namesake shades.

ANSWER: **lamps** [accept **lampworkers**, **LAMP stack**, **LAMMPS**, **lamp boxes**, **LAMP High School**, **lamp-coupled photocells**, **lampbrush chromosome**, **lamp under a bushel**, **lampshading** and any specific type of lamp]

<Sarva, the entire acknowledgements section of atkins pchem>

7. This American city hosts an annual Rice Harvest Festival and it is located near the now-defunct Sack-O-Grande airport. This city was formerly named “Cane Island” and its current name is derived from the stock exchange symbol of a railroad company named for its home state and two of its neighbors. In 2004, its school district began a “new and revolutionary program” by drug testing student leaders of every club, as well as anyone wishing to park on campus. A video of a man formerly named Greg (+) Gay confronting that district’s superintendent for viciously bullying him in middle school went viral in 2018. A Google review by Grayson Cat highlights the friendly ducks, squirrels and vultures of this city’s Mary Jo Peckham Park. Interstate-10 is sometimes referred to as [this city] freeway. William (\*) Golden went to a high school in this city. For 10 points, name this city that shares its name with the most popular Science Bowl Discord moderator.

ANSWER: **Katy**, Texas

<Sarva, yeah geo>

8. *Description acceptable.* One member of this group is hit on by a girl at a bookstore while standing in front of a bookshelf that includes a magazine subtitled *The Bible of Self Built PC*. Another member of this group dons a red hat with the kanji for “flavor king” before co-judging a food contest. Betsy Beltoise is instructed by Adolphe Pescarolo to speak with one of them during a (+) foreign exchange event. A tech-savvy employee of a member of this group, who built a mini-PC on her day off, helps her purchase the Sony Xperia XZ2 after the XZ1 is out of stock. In a later episode, that employee disguises herself as that member of this group so the latter can sneak out to see a fireworks display. Each member of this group takes their names from and are loosely based on characters from *The Tale of the Bamboo Cutter*. Youtuber Loliconics spent three months (\*) rotoscoping a dance sequence featuring a member of this group that takes place in their meeting room at their high school. For 10 points, name this organization consisting of Miko, Ishigami, Shirogane, Chika and Kaguya.

ANSWER: **Shuchi’in Academy student council** [or the **student council** from **Kaguya-sama**: Love is War; prompt on **student council**]

<Sarva, peaking in middle school>

9. A style of architecture from this state is characterized by a massive stone chimney that fills an entire wall called a “stone ender.” Homer’s mother consumes a dish named for this state at the end of the Season 15 episode “My Mother the Carjacker.” A giant termite statue named Nibbles Woodaway is located along I-95 of this state. The corpse of Mercy Brown was exhumed from a cemetery in this state due to residents misattributing the tuberculosis she died for vampirism. It is the only state that celebrates (+) VJ day. The WaterFire sculpture installation is located on the rivers of this state’s capital. “Scrotie” is the unofficial mascot of a university in this state. Ben Shapiro once tweeted that a university in this state is “legitimately the stupidest place in America.” The (\*) Breakers and the Marble House are part of a set of mansions formerly owned by the Vanderbilt family in this state’s Newport County. For 10 points, name this state where the Gaspee Affair took place.

ANSWER: Rhode Island [or RI]

*Brown University is legitimately the stupidest place in America.*

<Sarva, yeah geo>

10. This is the mascot of a school whose senior basketball team was once waylaid in California by US Marines and forced to go undercover as pool boys; that school is Central Algoma Secondary School. It’s not a Wolverine, but “the wave”, in which spectators at stadiums stand up and raise their arms before sitting down, may have originated from a stadium co-named by (+) Alaska Airlines and a mascot of this type. Another school with this mascot offers an international exchange program with Steinbart Gymnasium in Germany and their Overwatch team finished second in the 2019 Overwatch High School Scholastic Tournament. A pair of these mascots who are brothers are named (\*) Harry and Hendrix, while another is named Buster. For 10 points, name this mascot of the University of Washington and Naperville North High School.

ANSWER: Huskies

*It costs \$200 for a 15 minute appearance of the University of Washington’s Harry the Husky.*

<Sarva, yeah geo>

11. This county was the most heavily affected by a series of mudflows and floods resulting from the Pineapple Express in early 2018. It’s not in Arkansas, but this county was once home to the historic Arlington Hotel, which was destroyed in a fire in 1909, repaired, then destroyed again two years later by an earthquake. The 10-10-10 student film competition is part of an annual film festival held in this county. Shuji Nakamura, Nobel Laureate and inventor of the blue LED, teaches at this county’s namesake university which (+) Jason Lezak, who anchored the 2008 4x100 freestyle relay in Beijing, swam for. In 2020, Prince Harry purchased the Riven Rock estate in a community of this county which Forbes called a “celebrity enclave” in 2021; that community is Montecito. The most beautiful UC school is located in this county. For 10 points, give this city, the primary setting of (\*) *Psych*.

ANSWER: Santa Barbara County, California

<Sarva, yeah geo>

12. This is the first word in the name of an Onondaga nature center in New York that hosts an annual Golden Harvest Festival. This word names a dam that names the only river I could find that’s named after a dam. Aliquippa, Pennsylvania is located in a county of this name and was once home to a Jones and Laughlin steel mill. These animals are the subject of a 2008 Nature article subtitled “[these animals] must die” due to their status as an invasive species in Tierra del Fuego. The name of the (+) Lenape chief Tamaqua roughly translates into a king of these animals. One of the most frequently requested items from the CBC archives is a recording of an interview of a man attacked by one of these animals. They are found in the family Castoridae and lend their name to the (\*) French and Iroquois Wars. The city home to Nike headquarters is named after, for 10 points, what national symbol of Canada, which also names Tiffany Zhou’s high school?

ANSWER: beaver [accept Beaver Lake Nature Center, Beaver Dam River, Beaver County, Beaver King, Beaver Attack!, the beavers must die, Beaver Wars, or Beavercreek]

*“The original townships at the date of the erection of Beaver County (1800) were North Beaver; east and west of the Big Beaver Creek; South Beaver; west of the Big Beaver; and Sewickley, east of the Big Beaver—all north of the Ohio River; and Hanover, First Moon, and Second Moon, south of the Ohio.”*

<Sarva, yea geo>

13. Description acceptable. A gun buddy of one of these objects was awarded for completing Tier 30 of the Act 2: Ignition battlepass. Ghosting all the way into the villa behind defenders spawn on Breeze reveals five of these objects within the building, which are also found inside (+) cages at several locations throughout the map. One of them is floating beside a barbershop pole on a floating chunk of debris behind attackers spawn on Ascent, while another is visible when looking up through a window on B heaven on Split. Examples of them include a (\*) worm with a cane and top hat, as well as a squirrel with a grenade. Completing the obstacle course on the range leads you to a trophy holding one of these objects. For 10 points, name these easter hidden hidden throughout all the maps in the game, several of which are dining around a table beside wines.

ANSWER: plushies [or stuffed animals; accept specific animals such as tactical bear plushie, gentleman worm, penguin, bunny, squirrel before mention; prompt on animals]

<Sarva, you love to rez me without walling first>

14. Gaylord Swim founded the Sutherland Institute, a think tank based in this state, which hosted a July 2011 forum on the nuclear power plant proposed by this state's Blue Castle Project. Hundreds of trees in the Memory Grove World War I memorial were torn out during an unexpected 1999 tornado in this state. Presidents Circle is a set of eight buildings located on the campus of its namesake university. Several of those buildings were designed by Richard (+) Kletting, who also designed this state's capitol building and helped Reed Smoot of the Hawley-Smoot tariff design his house here. Crops grown by settlers in this state were saved from insects during the "miracle of the gulls." This state claims to have "the greatest snow on Earth" in its (\*) Wasatch range. While at this state's namesake university, Marin Newell created a teapot now commonly used as a computer graphics reference object. The 2002 Winter Olympics were hosted by, for 10 points, what "Beehive state" home to Bryce Canyon and Zion National Park?

ANSWER: Utah

<Sarva, yea geo>

15. This city has a one-word name. In a park partially located in this city, an abstract sculpture of a pterodactyl made of concrete cylinders and metal poking out of the ground can be found across a pond from an "Interpretive Center" featuring a bunch of fossils; that park is Ralph B. Clark regional park. The Gastronome is a dining hall at a university in this city, whose alumni include Dan Henderson and Kevin Costner. It's not Memphis, but Saint Jude Medical Center is located in this city, as well as the Janet Evans swim complex, because she was born there. According to a viral tweet, eight years ago, a man named Trevor Rogers entered a (+) library card design contest in this city not knowing it was for children and absolutely dominated. Armet & Davis designed several of the buildings for what is now this city's Hope International University. This city is split into two congressional districts represented by Michelle Steel and Lou Correa. The West Coyote Hills mostly lie in this northern Orange County city. The A, B and C teams of a school in this city finished in the (\*) last three places at the 2018 PACE NSC. For 10 points, name this California city home to the best Science Olympiad team of all time, Troy High School.

ANSWER: Fullerton, California

<Sarva, yea geo>

16. The PIT maneuver was first used by this county's police department. Anne, Thoreau, Audubon and Newport are the names of four man-made lakes found in a city in this country; a zoo formerly named for that city drew controversy in 2012 when its director drowned a wallaby in a bucket and saw two giraffes killed in a fire in 2021; that zoo is located near the (+) Water Mine Family Swimmin' Hole. A "School of Law" in this county was briefly named for Antonin Scalia, but then they realized that spells "ASSLaw" and changed the name to just "Antonin Scalia Law School". It was the first U.S. county to reach a six-figure median household income and is currently ranked third in the country by that metric. The (\*) Seven Corners is a commercial center in this county. The Children's Theatre in the Woods is a performance venue at one of this county's national parks. SAIC, Leidos and Booz Allen Hamilton are companies headquartered in this county. For 10 points, name this county home to Tysons Corner and the CIA headquarters.

ANSWER: Fairfax County

<Sarva, yea geo>

17. It's not alcoholic, but during the Victorian era, many San Francisco homes were built with "California coolers", which were cupboards used to store this foodstuff. Ben Jonson compared cooks who prepared these foodstuffs to fortification builders who "Make citadels of curious fowl and fish". In a Season 1 running gag, a diner in Margrave is famous for serving the best [this foodstuff] in Georgia, but (+) Jack Reacher repeatedly fails to taste it. Season 1 running gag. The trademarked ChefPierre produces frozen instances of these foods. Brawn and this foodstuff bends the "tressels and trays" at a Christmas celebration in *Persuasion*, while in another Jane Austen work they are declared to be "a considerable part of our domestic happiness". They lend their name to the superhero alter ego of Homer Simpson. A lot of electricity in this foodstuff is exhibited in (\*) crystals with no inversion symmetry. Birds named for this foodstuff can pass the mirror test. For 10 points, name this most American foodstuff.

ANSWER: pies [generously accept any specific type of pie]

<Sarva, deep deep deep>

18. A city alongside this river is sometimes referred to as "land of the upside-down", in part because digital maps invert direction while traveling through it. Outlaws based primarily in a street along a segment of this river commonly hide their identity by covering their face with paper bags or wood boards. Clumps of a certain natural resource from this river are harvested through namesake (+) "droplet stones". Veritate, Hyades and Volar are species names of organisms endemic to this river. Returning tourists of cities along this river may purchase a namesake "express pass" through an interface called Spiegelmann, while first-time visitors often hop between those cities by riding the (\*) Flying Fish. Celebrities that live along this river include the King of Spiders, Will and the Dream Master, Lucid. For 10 points, name this river that originates from Esfera and flows into a Nameless Town in the Vanishing Journey.

ANSWER: Arcane River

<Sarva, you love to rez me without walling first>

19. While visiting Captain George Cocke on September 6th, 1665, Samuel Pepys used one of these products for the first time. Around 1700, Paul Rycaut, sent six-pound bags of the primary component of these products to his friends, telling them to make ones for themselves but without telling them how. His later attempts to sell this product failed, likely because of how expensive the aforementioned primary component was. The tog is a unit to measure the thermal resistance of these products. Founder of the Milton Keynes headquartered company Habitat, Terence (+) Conran, is generally credited with popularizing them in England, as outlined in a 2015 BBC article titled "Almost 300 years without a [one of these products]", which outlines how he marketed them as the "continental quilt" and a way for users to make their bed in only around ten minutes. These products are sometimes called "doonas" in Australia. For 15 points, name this type of bedding typically filled with down feathers. (\*)

ANSWER: duvets [or comforters; accept continental quilts and doonas before mention]

<Sarva, deep deep deep>

20. The last boat to finish in the Bayview Mackinac Boat Race is named for these objects. Berrien Springs used to call itself the "[these objects] Capital of the World". This is the name of the standard library module responsible for Python serialization, as well as the British equivalent of TaskRabbit. This is the first word in the name of a *Rick and Morty* episode inspired by *Breaking Bad*'s "4 Days Out", as well as for an activity whose participants were accused of (+) bullying children and peeing on playgrounds in Arlington, Virginia. It's not an animal, but these objects apparently names an alternate name for keepaway or monkey in the middle? It also lends its name to a situation in which the baserunner is stranded in no-man's land and is at risk of being tagged out. As of 2022, the official state sport of Washington has been a sport named for this (\*) foodstuff that has been taking over tennis courts across the country. For 10 points each, name these foodstuff produced by *Leuconostoc mesenteroides* and *Lactobacillus plantarum*.

ANSWER: pickles [accept pickle boat, Christmas pickle, Pickle Rick, pickleball, pickle-in-the-middle]

<Sarva, deep deep deep>

TB. One may inspect packets via a method described by this word. A method of compositing shapes is named with this word. This is the first word in a family of super sampling techniques used by Nvidia. This word names a type of hashing. It also names types of autoencoders, stacking networks and a type of learning applied to certain belief networks. This adjective describes a namesake type of learning. For 20 points, give this adjective that names a reef biome in *Subnautica*. (+)

ANSWER: sparse

<Sarva, deep deep deep>