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1. This character, created in 1941, debuted in All Star Comics #8 and then later obtained their first feature in Sensation Comics #1. During her debut this character saved the love of her life, fighter pilot Steve Trevor. This character then later joined the war effort on the side of the allies. This character, in her 2017 eponymous movie, fights Greek God of War Ares. For 10 points- name this female member of the Justice League.

ANSWER: Wonder Woman (accept Diana Prince)

2. This person's first commercial campaign was for the clothing brand French Connection in 2014. This person was named after a comet. In 2005, then aged 9, this person appeared alongside her family in the television documentary *Living It: Unusual Suspects*. This person's first career aspiration was to be a ballet dancer. This person's husband unfollowed her on Instagram, then shortly posted a story claiming he was hacked. This person was claimed to look like Vladimir Putin by some internet users. This person, alongside a friend, had a screenshot from a call leaked where they were supposedly making fun of another celebrity's eyebrows. This person's husband fist slid into her DMs following an appearance on Jimmy Fallon where she opened a bottle with her teeth. This person was in a supposed feud with her husband's ex-girlfriend. That girlfriend was Selena Gomez. For ten points name this founder of Rhode and wife of Justin Bieber.

ANSWER: Hailey Bieber (accept Hailey Baldwin), prompt on Bieber

3. This brand started by selling relaxed, athletic clothing to the Parisian elite. The founder of this house, originally named Gabrielle, was raised in a convent and worked as a singer at a cabaret where she gained her nickname. This fashion house's two-tone slingback pumps and quilted handbags are some of its most popular items. The founder of this brand closed all her stores during the Nazi occupation of Paris, despite having a long relationship with a Nazi occupier and working as a spy. When Karl Lagerfeld was creative director of this brand, tweed, black and white, and camellias came to dominate the house's designs. A pink suit modeled after one from this brand was worn by Jackie Kennedy during her husband's assassination in 1963. For 10 points, name this haute [OAT] couture [KOO-toor] brand with perfume named "No. 5".

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ANSWER: Coco Chanel (prompt on “Coco” or “CC”)

4. This album's song "Spaghetti" references Thanos. It's not the album "GNX", but songs from this album were performed at the NFL christmas halftime show, sparking discourse on Black Tiktok on whether it was propaganda. Hannah Han, who sparked this discourse, got tickets to see this album performed live. It's not by Dolly Parton, but a song from this album's lyrics include the line "You're beautiful beyond compare takes more than beauty and seductive stares to come between a family and a happy man". This album is hailed as an ode to black southerners. Another song on this albm goes "Looka dere, liquor in my hand the grandbaby of a moonshine man Gadsden, Alabama, Got folk down, Gavelston, rooted in Louisiana" That song was “American Requiem”. Another song on this album goes "Sixteen carriages drivin' away, While I watch them ride with my dreams away, to the summer sunset on a holy night, On a long black road, all the tears I fight" That song was 16 carriages. Another song goes "This ain't Texas, ain't no hold 'em". For ten points name this 2024 Beyoncé album, winner of the album of the year.

ANSWER: Cowboy Carter (reject Beyoncé)

5. This Mexican state bordering Belize is named after a prominent leader in the War of Mexican Independence, and has been experiencing rapid population growth since the 1970s due to a boom in international tourism in part due to initiatives by the government of Mexico. Largely situated on the Yucatan [yoo-cah-TAN] Peninsula, this Mexican state is the only such state to be a member of the UTC-5 time zone, greatly due to its monetary situation being highly dependent on tourism revenue. Often abbreviated to QR, this Mexican state's capital is Chetumal [CHEH-too-mal]. For 10 points, name this Mexican state home to tourist hubs such as Cozumel, Playa del Carmen, and most notably Cancún.

ANSWER: Quintana Roo

6. This material's first major synthetic was discovered in 1907, named Bakelite [Bake-uh-lite] after the scientist who discovered it. Frequently derived from crude oils, this material forms lengthy polymer chains which derive their very broadly useful properties from the different ways

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polymers can take form and interact, such as properties that make it useful for 3D printing in PLA and PETG forms. Due to this lack of uniformity, however, this material is ultimately very difficult to recycle, resulting in, for example, restrictions on its use as a material for single use straws in 8 states. Preliminary correlational studies on the micro- form of this material suggest additional negative health consequences derived from the ingestion of its degradation products. For 10 points, name this material that gives the name to the main antagonist group in the film Mean Girls.

ANSWER: Plastic

7. This organization would be created shortly after the beginning of the Cold War between the Union of Soviet Socialist Republics and the United States of America in response to the Korean War. The most well-known nations part of this organization were Yugoslavia and India. This organization's name and purpose came from staying out of both Moscow's and Washington's spheres of influence in groups like the Warsaw Pact and NATO. Name this organization, which would mostly include 3rd world nations that gained independence from colonial powers.

ANSWER: Non-Aligned Movement or NAM

8. This body is nearly an island, but an isthmus between 3 and 4 miles wide connects it to the Kherson region of the mainland. Much of this separation from the mainland is caused by the Rotten Sea, a series of lagoons no more than 10 ft deep which produce a strong smell in the summer heat. In the 1800s, many Italians emigrated to this peninsula, especially its coastal cities of Odessa and Sevastopol but few survived Stalin's Great Purge. For 10 points, name this (contested) Ukrainian peninsula in the Black Sea occupied by Russia since 2014.

ANSWER: Crimea (accept Crimean Peninsula)

9. Name this quantity can be used to calculate velocity caused by vortices. According to a law by Gauss, this quantity times divergence equals 0. This quantity can be calculated at a specific point by a law that multiplies an integral by the constant mu-naught divided by 4 pi. The cross product of this quantity and charge times velocity equals the force experienced by particles, and this

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quantity can be produced from current or change in electric field. For 10 points, name this vector field represented as B and measured in teslas.

ANSWER: Magnetic Field (Accept B-field before mention)

10. This substance is produced in a process similar to that of vinegar and alcohol, and is useful because of its ability to disrupt the formation of a peptidoglycan [pep-tid-oh-GLY-can] cell wall in many bacteria, which results in its "broad spectrum" properties. The first patient of the "Oxford" instance of this drug, the subject of the most commonly misdiagnosed drug allergy, was named Albert Alexander, but this drug proved rather useful, being estimated to have saved upwards of 500 million lives since its popularization following the publication of Howard Walter Florey and Ernst Boris Chain's paper "This Drug as a Chemotherapeutic [KEE-moh-ther-a-PEW-tik] Agent" in 1940, which earned them the 1945 Nobel Prize alongside the drug's initial discoverer who shares a last name with the creator of James Bond. For 10 points, name this drug, initially used in bacteriology that is cultivated from a similarly named rare species of mold.

ANSWER: Penicillin

11. This nation was proclaimed on December 30, 1922. Its government would follow the principles of Marxism-Leninism throughout its life, it would be known for being a one-party state or a one-party democracy. It would have a large amount of factionalism within its one party, and throughout its military. This nation would be the first to successfully send a dog to space.. This nation was created as a federation of socialist nations across Eastern Europe and Central Asia. Name for 10 points the nation that was the first to make it to Berlin in WW2.

ANSWER: Soviet Union, Union of Soviet Socialist Republics (prompt on Soviet Russia, reject Russia)

12. These reactions, distinct from caramelization, that occur within organic tissues are peculiar in that as they are often performed they do not require enzymes. In these reactions that are accelerated in an alkaline environment, the carbonyl groups in a sugar link with the amino groups of an amino acid, without denaturing the sugar, to form a highly unstable compound that splinters into a

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number of flavor molecules, such as 2-Acetyl-1-Pyrroline [PEE-ruh-leen], the main flavoring molecule in the herb Pandan. In addition to these flavor molecules, these reactions, most notably detailed by John E. Hodge, these combinations create melanoidins, which are related to melanins only in terms of color. For 10 points, name these, some of the most widely performed chemical reactions in the world which allow for the browning of food, which are named for the French scientist that discovered them.

ANSWER: Maillard Reactions

13. The international research institute for this food crop, whose edible parts are harvested from its small flowers, is located in Los Baños in the Philippines and was created by an international treaty with assistance from the Ford and Rockefeller Foundations. The food crop is widely variable across the world but is theorized to have only undergone one domestication event, with a golden form of it genetically engineered with high beta carotene protecting against Vitamin A deficiency caused blindness. With both deepwater and upland varieties adding to its utility, this food crop's Champa variety was integral in expanding the population of China during the Song Dynasty. This grain, often used as a desiccant (DES-si-cant) for cell phones, names a research university in Houston, Texas. For 10 points, what food crop grown in paddies that along with tobacco and indigo was a cash crop in the Southern United States is used in biryani (beer-ee-yan-ee).

ANSWER: Rice

14. This person invented a hydraulic resonance suppressor tube used on Boeing 747 airplanes. This person featured in the TV show, *The Big Bang Theory*. This person studied at Cornell and graduated with a bachelor of science in mechanical engineering. In 1978 this person won a Steve Martin look alike contest, sparking their love of comedy. In 1986, this person quit their job at Boeing to focus on their comedy career. In 1993 this person pitched their new television show as "Mr. Wizard meets Pee-wee's playhouse". This man is CEO of The Planetary Society, an organization that advocates space science research and the exploration of other planets,

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particularly Mars. On Earth Day 2015, this person met with U.S. President Obama to visit Everglades National Park in Florida and discuss climate change and science education. This person's science television show won 19 Emmys. For ten points, name this man known as "The Science Guy"

ANSWER: Bill Nye

15. P-CEP Choir's annual Singsation concert in May features each choir performing a song that the students themselves have arranged in this style. Its stylistic origins can be found in church music and Gregorian chanting. Beatboxing, body percussion and singing are common techniques used in this style of music, in which musicians also often try to imitate the sounds of instruments with their own voices. Notable groups like Voctave and especially Pentatonix often create covers of popular songs in this style. Name this style of music which, for 10 points, is music performed by a singer or a singing group distinctly without instrumental accompaniment.

ANSWER: Acapella (prompt on barbershop)

16. On this show, a character breaks up with her partner because of a 12 hour time difference. On the first episode of this show, a man crashes his bicycle after seeing a woman. On this show, a character throws iced coffee on her partner. On this show, the main character's car gets graffitied by a boy she ends up dating. On this show, a friend group is called the UN. On this show, Andy Samberg has a guest role. On this show, Gigi Hadid, had a guest role. On this show, Aneesa almost leaves her school because of rumours about her eating disorder circulate. On this show, Des breaks up with his girlfriend at his mother's behest. On this show, the main character is torn between two boys, and in season 2 she ends up dating both of them at the same time. IN this show Paxton Hall-Yoshida gets hit by a car. On this show Ben Gross gives the main character, Devi Vishwakumar (Day-vee Vish-wa-kumar) a 1 free boink card. On this show Ben drives Devi to scatter her father's ashes For ten points, name this teen coming of age dramedy made by Mindy Kaling about Devi's adolescence in the wake of her father's death.

ANSWER: Never Have I Ever

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17. The painting “The Modern Medea” (Meh-day-uh) immortalized the inspiration for this novel, Margaret Garner. This novel won a Pulitzer Prize, was a National Book Award finalist, and contributed to its author’s Nobel Prize. This novel primarily takes place in Cincinnati and focuses on a dysfunctional family and the impact of slavery. This book is frequently censored or banned because of the presence of infanticide and rape. This novel opens with the line “124 was spiteful” and has chapters of poetry. The name of this book and one of its main characters comes from the single word on a baby’s gravestone. A major theme in this novel includes the trauma of slavery in family and community ties. For 10 points, name this novel written by Toni Morrison which focuses on the Suggs family and the apparition of Sethe’s (SETH-uh) long-dead baby.

ANSWER: Beloved

18. This woman is descended from the Fisher Brothers, after whom the Fisher Building is named. This “car-girl” worked for GM, where she was president of the GM Foundation. This politician was a superdelegate at the 2012 Democratic National Convention. In 2015, this woman became the first member of congress to succeed a living husband in his seat. This Georgetown graduate once described herself as a “child bride” when referring to her marriage to a man 27 years older than her who served as Dean of the House of Representatives for 20 years. This politician sits on the House Energy and Commerce Committee and the House Natural Resources Committee. For 10 points, name this representative for the Michigan 6th District which includes Ann Arbor, Plymouth, and Canton.

ANSWER: Debbie Dingell or Deborah Dingell (Prompt on Debbie, Deborah, or Dingell)

19. This form of art has 3 main forms of it consist of single, modular, and composite. In a book by Eleanor Coerr, Sadako makes 1000 artworks from this art. This form of art is included in the 1st book from Akira Yoshizawa (AH-kee-rah Yoshee-zaw-waw) in the 1950s, who is considered as the modern father of this art form. Several space projects have used the principle of this art form, such as NASA’s Starshade. This form of art is popularized in Japan, but its roots originate in

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China. The most iconic representations of this form of art include a crane and a boat. For 10 points, name this art form, the name of which translates “to fold paper.”

ANSWER: Origami

20. This industry was shaken up substantially in the 1950s when a man named Vincent Kosuga attempted to monopolize it by purchasing vast quantities of futures contracts of its primary good, eventually managing to corner the market, resulting in public outcry and a prohibition of futures trading of its product in a namesake Futures Act. In 2024, imports from Mexico in this industry decreased, and while sales increased by 3.3%, price decreased by 2.5% on average. One subset of this industry generally kicks off its season in April, exclusively in the city and outskirts of Vidalia [vih-DAY-lee-uh], Georgia. This industry generally requires large amounts of soil with a pH between 5.8 and 6.6. For 10 points, name this industry involved in the growing of goods with Red, Brown, Yellow, White, Sweet, Round, Flat and Globe varieties, that is involved in the production of a namesake type of French Soup with bread and cheese.

ANSWER: Onion Farming (Prompt on “onion” by asking "Which are produced in what process?"). Accept clear knowledge equivalents.