

FORT OSAGE NOVICE SET (FONS)

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Round 10

1. Joseph Black discovered that limestone could be heated or treated with chemicals to yield this gas, which he called “fixed air.” Humphry Davy and Michael Faraday discovered how to liquefy this gas, which is given off by the burning of charcoal.* This gas allows hemoglobin to absorb more oxygen and Lavoisier and Laplace discovered that a respiring guinea pig exhales this gas. For 10 points, name this gas, which is the most common greenhouse gas other than water, which exists as “dry ice” in its solid state and has chemical formula CO₂.

Carbon Dioxide (accept “CO₂” before mention)

2. One author from this nation, Thomas Keneally, described the true story of Oskar Schindler, who saved thousands of Jews from the death camps in his novel, *Schindler’s Ark*. Keneally also wrote a story about a man from this nation who explodes into rage based on the ill-treatment suffered by his people, the Aborigines.* Another author from this nation, Doris Pilkington Garimara, told the story of her own Aboriginal mother’s escape from a re-education camp in order to return home. For 10 points, name this nation, the setting for *The Chant of Jimmie Blacksmith* and *Follow the Rabbit-Proof Fence*, whose Aboriginal people refer to themselves as the “Stolen Generation.”

Australia

3. This book is considered the continuation of an earlier Biblical text, although its authorship is in dispute. This book of the Bible describes the history of the early church during the 1st century C.E. (A.D.),* and the term “Christian” is first used in chapter 11 of this book. This book begins in Jerusalem, describes the conversion of Cornelius the Centurion and concludes in Rome abruptly without detailing the legal issues of Paul. For 10 points, name this book of the Bible, which describes the founding of the Christian church, the sixth book of the New Testament, following the Book of John.

Acts of the Apostles (it is considered a continuation of “Luke” despite the Book of John coming between them in chapter order)

4. This body of water lies at a mean depth of around 300 feet, but the fishing-rich Dogger Bank rises to within 50 feet of the surface in the middle. This body of water has long been known for its extensive oil deposits, but the use of wind farms* within it has prompted debates about environmental effects. This body of water is bounded by the Shetland and Orkney Islands to the north, and the Skagerrak Sea to the east. For 10 points, name this body of water, whose Norwegian trench is its deepest portion, which lies between the British Isles and Scandinavia and whose name derives from its location in Europe.

North Sea

5. A 2011 uprising in Deraa spawned the event that led to these people fleeing, dividing their home country among multiple groups. A neighboring nation has agreed to take some of these people, but only from one ethnicity. People fleeing this event have settled in a nearby nation's Bekaa Valley,* and are now an estimated quarter of the population. The death of Aylan Kurdi, one of these people, provoked outrage around the world, and in America, multiple states' governors have refused to accept these people. For 10 points, name these people, fleeing a 5 year civil war in their namesake Middle Eastern country, many of whom have died crossing the Aegean Sea.

Syrian Refugees (prompt on partial answer; accept equivalents like "**people fleeing Syria**")

6. This President won in the closest election in 60 years, and signed legislation creating the Department of Energy during his first year of office. This President had served one term as the Governor of his state, and is still the only President to have gone to the Naval* Academy. This President negotiated the Camp David Accords, as well as a controversial agreement to hand over the Panama Canal in 1999. For 10 points, name this one-term President, who was criticized for the Iranian hostage crisis, and lost re-election to Ronald Reagan in 1980.

James Earl "Jimmy" Carter

7. These entities are influenced by natural phenomena, and some places on Earth experience four of these per day. The shape of the coastline can influence these entities, and gauges are often used to measure these over time.* The moment that current ceases is referred to as "slack water," which causes a change in the direction of these. Around the period of the new and full moons, these entities are said to be in "spring," while during the 1st and 3rd quarters, they are in "neap." For 10 points, name these entities, the rise and fall of sea levels caused by the combined effects of gravitational forces.

Tides

8. This novel opens with a quatrain from John O'Hara's *Atavism*, and sees its protagonist stolen from California. This novel is mostly set in the Klondike region, where the protagonist fights Spitz* to the "death." The protagonist of this novel is owned by a succession of people who treat him in a cruel manner, except for John Thornton, who is killed by natives. The protagonist fights off a band of wolves, only to discover that a friend of his is among them. For 10 points, name this novel, about a St. Bernard-Collie mix who becomes the Ghost Dog of the Northland Legends, by Jack London.

The Call of the Wild

9. This franchise played seven of its first nine seasons at the Cow Palace after moving from Philadelphia. This NBA franchise changed its name to better reflect its regional draw in 1971, and won its first championship in 1975 in its current location.* A high scoring group from this NBA franchise during the late 1980's was called "Run-TMC" while a current sharpshooting duo on this team is called the "Splash Brothers." For 10 points, name this NBA franchise, who play their home games in Oakland's Oracle Arena, led by Stephen Curry and Klay Thompson, and the current NBA champions.

Golden State Warriors (accept "**San Francisco Warriors**" before "changed its name")

10. This composer's first piece performed publicly was his *Piano Concerto Number One*. This man composed the *Academic Festival Overture* as a thank-you to the University of Breslau for awarding him an honorary doctorate in 1879. This man's largest choral work was begun in the aftermath of multiple tragedies, and uses text from the Luther Bible* and the Beatitudes, despite being a non-liturgical work. The first movement of this work lacks violins, and the only percussion instrument used is the timpani. For 10 points, name this composer, whose *A German Requiem* was considered his masterpiece, one of the three German "B's," along with Beethoven and Bach.

Johannes Brahms

11. One leader from a government in this country sent ships into the eastern seas, looking for an elixir of life, while another leader dealt with a decade-long peasant rebellion, that ended with a climactic battle at Red* Cliffs. This country dealt with the Red Turban Rebellion at the end of a dynastic period that saw the invention of gunpowder and issuing of paper money. For 10 points, name this country that saw numerous dynasties like the Qin {CHIN}, Han, and Yuan {YOO-AHN} claim, and lose, the Mandate of Heaven until 1912.

China (DO not accept "PRC")

12. This structure's design was a compromise between the designs of Edward Carlson and John Graham, although neither design included the "hourglass profile." A grand spiral stairway was part of the original design for this structure, which was built for the 1962 World's Fair.* The elevators in this structure only operate at 5 miles an hour during high winds, and it made appearances in many episodes of *iCarly*, *Frasier*, and *Grey's Anatomy*, which are set in the city where it is located. For 10 points, name this structure, which has a rotating restaurant on its top called SkyCity, located in downtown Seattle.

Space Needle

13. A central region of this nation contains a megalithic site called the Plain of Jars, which has large amounts of unexploded ordnance. This nation is covered in rugged mountains and forest, and its tallest mountain is Phou Bia {FOO-BAH}.* The Mekong River forms a large part of the western boundary of this nation and Thailand, while the eastern boundary between this nation and Vietnam is the Annamite mountain range. For 10 points, name this Southeast Asian nation, the only landlocked nation in the region, with capital at Vientiane.

Laos (accept "Lao People's Democratic Republic")

14. In Irish mythology, one of these objects could harness the wind and ended up in the hands of Conn of the Hundred Battles. In *Song of Roland*, one of these objects forged by Wayland the Smith* could hold off thousands of warriors. In Japanese mythology, one of these objects, nicknamed "the Grass-Cutter" by Yamako Takeru, also harnessed the wind and allowed for narrow escape for the man wielding it. For 10 points, name this type of object, of which Fragarach, Durendal, and Kusanagi are examples of along with King Arthur's Excalibur.

Mythological Swords

15. This artist's first known large mural was a 1997 work used to cover advertising of a former solicitor's office. In 2004, this artist produced several fake British £10 {10 pound} notes, replacing the queen's face with Princess Diana of Wales'.* In 2005, this artist released a compilation of his works titled "*Wall and Piece*". His first film titled, "*Exit Through the Gift Shop*" made its debut at the 2010 Sundance Film Festival. For 10 points, name this British street artist known for works such as "The Mild Mild West" and "Balloon Girl".

Banksy

16. This government body did not have its own building until 1935, and it first met in the Merchants Exchange Building. The first leader of this body only stayed for six years, and his two successors lasted only six years combined. Only one American President has served as the leader of this body,* William Howard Taft, but former Cabinet members Roger Taney and Salmon Chase both led this body during the 1800's. For 10 points, name this body, established by the Constitution as the head of the Judicial Branch, that has the responsibility of interpreting American law.

U.S. Supreme Court

17. The second of these laws states that the time derivative of momentum is net force, and expands upon the explanation of the first law. The first of these laws explains the tendency of matter to oppose changes in motion,* such as acceleration. The third of these laws further explains the first and second laws by stating that "for every action, there is an equal and opposite reaction. For 10 points, name these three laws, which explain the properties of inertia, explained by a namesake English scientist in 1687's *Principia Mathematica*.

Newton's 3 Laws of Motion (prompt on partial answer)

18. A book by Linda Sue Park set in medieval Korea tells the story of two brothers and their love for a sport involving these objects. In another book about these objects, Amir and Hassan spend their days watching them "duel," while living in Afghanistan* before the 1979 Soviet invasion. In a 1964 movie, the protagonists and their nanny sing about going to the park on an outing to "fly" these objects. For 10 points, name these objects, popular for "fighting" in many Asian countries, and the subject of Khaled Hosseini's 2003 namesake book, as well as a scene in the movie *Mary Poppins*.

Kites (the Linda Sue Park book was also called "The Kite Fighters")

19. This nation has a number of exclaves located along its northern coastal region, and its border with its eastern neighbor has been closed for over 20 years. This nation contains the Rif Mountain range in its northern region, and a larger mountain range,* the Atlas, to its south. This nation is one of three to have coastal regions on both the Atlantic and Mediterranean, and the only one in Africa. For 10 points, name this North African nation, which contains the Spanish exclave cities of Ceuta and Melilla and shares a closed border with Algeria, with capital at Rabat.

Kingdom of Morocco

20. This political leader originally trained to be a chemist before getting involved in politics, and became the head of the Conservative Party in 1975. This leader took over in 1979 after the “Winter of Discontent,”* during which Labour leader James Callaghan denied that any “crisis” was occurring. This Prime Minister struggled with inflation and recession, until Argentina invaded an island group controlled by her nation in 1982, which ignited a 74 day popular war. For 10 points, name this woman, the first, and so far only, female British minister who passed away in 2013.

Margaret Thatcher

21. This author met Benjamin Franklin in 1778 at the Paris Academy of Sciences, and wrote that “if God did not exist, it would be necessary to invent him” in a 1764 work. This author of *The Philosophical Dictionary was deeply affected by the 1755 Lisbon earthquake, composing both a poem about it and including it in the narrative of his most famous work. This author created the ever-optimistic Dr. Pangloss, the tragic Cunegonde, and ever-unlucky title character of this work, which believes in the “best of all possible worlds.” For 10 points, name this French author of *Candide*.**

Voltaire (accept “Jean-Marie Arouet”)

22. This spacecraft was the result of a joint project between the Johns Hopkins APL and Southwest Research Institute. This craft was launched in 2006, and performed a flyby of an asteroid and Jupiter on its way to its main destination,* Pluto. This spacecraft was in hibernation from 2007 until its arrival at Pluto in July 2015. For 10 points, name this NASA spacecraft, expected to fly into the Kuiper Belt by 2019.

New Horizons

BONUSES

1. Peace negotiations between this nation and the rebel group FARC began in 2012 in Cuba. For 10 points each...

A. Name this South American nation that has dealt with an insurgency since 1964 in its southeastern jungle regions.

Colombia

B. FARC (Revolutionary Armed Forces of Colombia) funded its insurgent operations through two major methods. Name EITHER one.

Kidnappings & Ransom OR **Drug Trafficking** (accept "**Cocaine Trafficking**"; accept equivalents like "**selling drugs**")

C. Colombia is currently dealing with an outbreak of this mosquito-borne disease that can cause microcephaly {MY-CRO-SEF-AH-LEE} in newborn babies. An estimated 20,000 people have been infected.

Zika virus

2. This religion began in Persia in the 19th century, but its founder was later exiled to the Ottoman Empire for heresy. For 10 points each...

A. Name this religion, which encompasses a number of monotheistic faiths, and believes in the unity of all humankind.

Baha'i faith {said BA-HA-EE}

B. The founder of this religion, Baha'ullah {BA-HA-OO-LAH}, was imprisoned by the Ottomans in this region, once called Palestine.

Israel

C. Despite heavy persecution, the Baha'i faith still exists today in Persia which officially changed its name to *this* in 1935.

Islamic Republic of Iran

3. This volcano began erupting just a few months after the Pearl Harbor attack, which prompted the Army Air Force to bomb it in order to stop the flow of lava and protect a local water source. For 10 points each...

A. Name this largest subaerial volcano on Earth, in terms of mass and volume, located on the southern part of the Big Island of Hawaii.

Mauna Loa

B. Mauna Loa is this type of volcano, composed almost completely of fluid magma flows. They derive their name from their appearance of having a large size and low profile.

Shield volcano

C. East of Mauna Loa is this separate active volcano, whose name literally means “spewing” in the Hawaiian language. It has been in a state of constant activity since 1983.

Kilauea (KIL-AH-WAY-UH)

4. One likely cause for this event was the overthrow of the Directory in 1797. For 10 points each...

A. Name this 1797 event in which three French “diplomats” asked American negotiators for a bribe in order to open peace talks.

XYZ Affair

B. The fallout from the French bribe attempt led to this undeclared naval war between the U.S. and France, so named because it never became an official war.

Quasi-War

C. After the bribe attempt, 2 of the 3 American negotiators went home, leaving this man to attempt to salvage an agreement. This man now gives his name to a method of drawing electoral districts in order to favor one candidate or party.

Eldridge Gerry (accept “**Gerry**mander”)

5. This entity began operations in 1970, after the demise of National Educational Television. For 10 points each...

A. Name this entity that is not a true network, but a program distributor that provides content to its member network, under the Corporation for Public Broadcasting.

Public Broadcasting Service

B. This popular historical drama airs on PBS in America and details the story of the Crawley family and their domestic servants during the early 1900’s.

Downton Abbey

C. This popular science show has aired on PBS since 1974, and has won multiple Emmy awards for programs such “The Miracle of Life,” and “The Elegant Universe.”

NOVA

6. Answer these questions about rivers in literature. For 10 points each...

A. Mark Twain called this river “well-worth reading about” and “the crookedest river in the world” in a namesake book about it.

Mississippi River

B. This Harlem Renaissance author stated that “his soul ha(d) grown deep like the rivers” in the poem “A Negro Speaks of Rivers.”

Langston Hughes

C. Joseph Conrad stated that “the brown current” of this river “ran swiftly out of the heart of darkness bearing us towards the sea” in an 1899 novella.

Congo River

7. The first bridge of this name was opened just 2 years after its namesake battle took place. For 10 points each...

A. Name this box-and-girder bridge in central London that was named after the climactic 1815 battle of the Napoleonic Wars in Belgium.

Waterloo Bridge

B. A painting of Waterloo Bridge was completed around 1900 by this Impressionist who painted *Water Lilies* and *The Cathedral at Rouen*.

Claude Monet

C. American playwright Robert Sherwood wrote a play entitled, “Waterloo Bridge,” in which a prostitute meets a soldier at the title location during an air raid in *this war*.

World War I (accept “**Great War**”)

8. The most common of these stars are still fusing hydrogen into helium surrounding a degenerate helium shell. For 10 points each...

A. Name this luminous star of low to intermediate mass that is in its late stage of evolution.

Red Giants

B. Red Giants have exhausted their supply of hydrogen in their cores, and have switched to *this* type of energy.

Thermonuclear Fusion (accept “fusion” alone; prompt on “Thermonuclear”)

C. In about 5-6 billion years, the Sun is expected to expand and lose its atmosphere, which will cause *this* event to happen, before becoming a Red Giant.

Engulf the inner planets OR **Become a planetary nebula** OR **Become a white dwarf** (accept any of these answers and equivalents)

9. A chain of limestone shoals called Adam's Bridge runs between this island and its neighbor to the north. For 10 points each...

A. Name this pear-shaped island that lies south of the Indian subcontinent, with its commercial capital at Colombo.

Democratic Socialist Republic of Sri Lanka (prompt on "Ceylon," but DO NOT give answer - see below)

B. From 1948-1972, Sri Lanka was known by *this other* name, the result of English colonial settlement.

Ceylon

C. According to local legend, Adam's Bridge was connected to the Indian mainland until one of *these storms* common in the Indian Ocean broke it apart in the late 1400's.

Cyclone

10. This German general was sent to Africa in February, 1941 to aid Italian soldiers in retreat from British forces. For 10 points each...

A. Name this Nazi Commander of the *Panzer* forces who was known to the British as the "Desert Fox."

General Erwin Rommel

B. Rommel had early success until losing in Egypt at El Alamein in 1942, which coincided with *this* nation's entry into the war in West Africa's Operation Torch.

United States

C. After retreating from Africa, Rommel was given command of the fortification of the Atlantic Wall, which was designed to prevent an Allied invasion at this French province, the site of D-Day.

Normandy

11. The long-awaited sequel to this 1960 novel was released in July, 2015. For 10 points each...

A. Name this coming-of-age novel by Harper Lee that tells the story of the Finch family during a controversial court case in their town of Maycomb, Alabama.

To Kill a Mockingbird

B. This surprise sequel to “To Kill a Mockingbird,” which was actually an original first draft, had the highest one day sales ever in Barnes and Noble history.

Go Set a Watchman

C. The biggest issue readers have had with “Go Set a Watchman” is *this character’s* surprising change from the first novel.

Atticus Finch (In the first novel, he appeared to be firm, but kind; in “Watchman,” he is racist and hateful)

12. This tree has three main roots which connect to Jotunheim, Asgard, and Niflheim. For 10 points each...

A. Name this “world tree” of Norse mythology.

Yggdrasil

B. Located under each root of this tree are these entities, designed to provide sustenance to each world.

Wells (accept their individual names, “**Uror**,” “**Hvergelmir**,” and “**Mimir**”)

C. This type of creature called Ratatoskr {RAH-TAH-TOE-SKUR} runs up and down Yggdrasil pestering Nidhogg the dragon and an unnamed eagle.

Squirrel

13. Part of this continent’s tallest mountain range is also called the “Alps.” For 10 points each...

A. Name this continent that is also a country, and whose tallest mountain is Mount Kosciuszko.

Australia

B. The Australian Alps are located in the states of Victoria, the Capital Territory, and this state, which contains the majority of the nation’s population.

New South Wales

C. The Capital Territory contains this planned national capital, which was built from scratch in between the cities Sydney and Melbourne.

Canberra

14. This illness is caused by an immune response triggered by an infection. For 10 points each...

A. Name this illness most commonly caused by a bacterial infection that manifests as fever, poor organ function, and insufficient blood flow.

Sepsis (accept “**septic shock**”)

B. These two treatment methods are the most common when dealing with sepsis. Name EITHER one.

Antibiotics OR Intravenous Fluids (IV Fluids)

C. While gram-negative bacteria were long thought to be the common cause of sepsis, recent studies have shown that *these* gram-positive bacteria are the cause of over half of all cases.

Staphylococcus

15. Answer these questions about novels that were turned into musicals. For 10 points each...

A. This Gaston Leroux Gothic novel has had much success on Broadway, owing to its story of the disfigured man who haunts the Paris Opera House, and features the song, "Music of the Night."

Phantom of the Opera

B. This Victor Hugo novel about the "Day of the Barricades" became a successful musical featuring the songs "I Dreamed a Dream," and "On My Own."

Les Miserables (accept "Le Miz")

C. This musical is actually adapted from a 1950's teleplay of the novel in which it is based on. This musical features the song, "The Impossible Dream" and is based on the famous novel by Miguel de Cervantes.

Man of La Mancha (accept "Don Quixote")

16. Answer these questions about advancements in military warfare. For 10 points each...

A. This military weapon was invented during the American Civil War, and its designer naively hoped that its rapid fire setup would reduce warfare, not increase it.

Gatling Gun (accept "machine gun")

B. This weapon of war was introduced during World War I as a method of overcoming trenches, but was based on earlier ideas by Leonardo da Vinci and H.G. Wells.

Tanks (accept "Land ironclads" which was Wells' name for them)

C. This weapon was introduced by Nazi Germany in World War II, but was too late to be effective. It was based on designs by Dr. Waldemar Voigt, but was hindered by a lack of an effective alloy to handle the high temperatures.

Jet Plane (accept "Messerschmidt (Me) 262;" or "jet fighter")

17. This novel was the sequel to a 1975 novella called *Song of the Trees*. For 10 points each...

A. Name this novel about the Logan family, set during the Great Depression, by Mildred Taylor.

Roll of Thunder, Hear My Cry

B. The Logan family lives in this Southern state, known for its resistance to integration, and its Civil Rights-era Sovereignty Commission.

Mississippi

C. Most African-American families living near the Logans practiced this common Southern farming technique, in which a farmer paid a portion of his or her crop to the landowner as payment for use of the land.

Sharecropping (prompt on “**Tenant farming**” but do not accept this answer only, because “tenants” owned the means of production, and sharecroppers did not)

18. Answer these questions about the very unusual Fourth Crusade. For 10 points each...

A. Pope Innocent III organized the crusade to attack the Holy Land through Egypt, but instead groups of Crusaders attacked modern-day Zadar, located along the Adriatic in this former Yugoslavian nation.

Republic of Croatia

B. After sacking Zadar, the Crusaders went to this Byzantine capital and laid siege to it in 1203. After a year-long siege, it was largely destroyed in 1204.

Constantinople (DO NOT accept “Istanbul”)

C. This Pope apologized to the Greek Orthodox Church in 2004 for the Catholic Church’s approval of the attack on Constantinople. This fierce anti-Communist was Pope from 1978-2005.

Pope John Paul II (prompt on partial answer; do not accept “John” or “Paul” alone)

19. This autonomous nation joined the predecessor of the European Union, along with its colonial power, in 1974, but left in 1985. For 10 points each...

A. Name this nation, the largest island in the world, three-quarters of which is covered by an ice sheet.

Greenland (accept “**Kalaallit Nunaat**”)

B. This European nation granted home rule to the island in 1979, but still controls Greenland’s foreign affairs and defense.

Kingdom of Denmark

C. This northernmost American Air Force base is located on the west side of Greenland and is part of U.S. Space Command. It shares its name with the ancestral people who lived on the island.

Thule Air Force Base

20. This composer got his start in the United States Marine Band in 1868. For 10 points each...

A. Name this American composer known as “the March King.”

John Philip Sousa

B. In 1888, Sousa completed this march, now the official march of the Marine Corps. It is now the motto for the Marine Corps, and translates as “Always Faithful.”

Semper Fidelis

C. Sousa also helped in the development of the sousaphone in 1893, which was meant to keep marching bands from having to use this other brass instrument while on the move.

Tuba

21. This story is supposedly based upon the true events of the life of Alexander Selkirk, who spent four years as a castaway on the Juan Fernandez Islands. For 10 points each...

A. Name this 1719 novel by Daniel Defoe about the title character’s life as a castaway for 28 years.

Robinson Crusoe (accept semi-full title of “**The Life and Surprising Adventures of Robinson Crusoe**”)

B. While a castaway, Crusoe rescues this former slave, and names him *this*, based on the day of the week in which he found him.

Friday

C. Crusoe and Friday end up being rescued and taken back to England, but the novel ends with the 2 men fighting off hungry wolves in *this* mountain range that forms the border between France and Spain.

Pyrenees Mountains

22. This element’s name comes from the Greek name for “smell.” For 10 points each...

A. Name this bluish-white element, with chemical symbol Os, that is the densest, naturally occurring element.

Osmium

B. Osmium is located in the d-block of the periodic table, which contains *these* elements.

Transition Metals (prompt on partial answer)

C. Osmium can reach a +8 transition state, with only *this* element with chemical symbol “Ir” {I-R} achieving a higher number. This element is also the most corrosion resistant.

Iridium

