

Baby Hen 2003 Packet 5, five, Go!

Written by Mark Pellegrini, Roger Craig, Gary Coleman, Mary Carey and Gallagher.

5-1. The first is present in even numbers, in streams and is represented by the tiger and the color orange. The second is in mountains and represented by the color azure and the dragon. The Japanese call it In-yo [een-yo] and as early as the 7<sup>th</sup> century AD, a government committee existed in Japan to advise the government on the calendar according to its principles. Associated with the idea of the Wu-hsing or the five agents in Chinese thought, the two are both said to proceed from the Supreme Ultimate or T'ai Chi. FTP, name these two complementary forces in Eastern thought which are often depicted as the light and dark halves of a circle.

ANSWER: yin-yang

5-2. The name's the same. In electrical engineering, this term can refer to the degrading effect of inductance, resistance, and capacitance on a signal. In ancient Greece, it referred to the occupation of professional dinner guest. Derived from the Greek word meaning grain, biologically, it can refer to numerous organisms, including saprophytes and planarians. FTP, give the shared term, which describes a relationship where one organism benefits to the detriment of another.

ANSWER: Parasite (accept Parasitics)

5-3. Having no definitive edition, its author faced legal troubles in 1882 on obscenity grounds. He repeatedly changed its contents in its nine plus editions, culminating in 1891 with the so-called death-bed edition. Published anonymously in 1855, its 12 poems are written in long prose, with an "organic" structure. Its poems include 'I Sing the Body Electric' and 'Out of the Cradle Endlessly Rocking'. FTP, what work by Walt Whitman contains the poems 'Oh Captain my Captain' and 'Song of Myself'?

ANSWER: Leaves of Grass [my ass]

5-4. Her name literally means "she who destroys the light." She was known in some cults as Kore. One day as a little girl, she and the Oceanids were picking flowers on the plain of Enna when she was stolen. Following her imprisonment, Herakles negotiated a truce between the parties feuding over her. Fated to spend six months a year with her mother and six with her husband, FTP, identify this goddess who was kidnapped by Hades.

ANSWER: Persephone (Accept Proserpina)

5-5. Many people point to it as the event that ended the Era of Good Feelings. The Republican party split, with Georgian William Crawford coming in third. The South Carolinian contender backed out in the hope of getting the vice presidency, which he did. Meanwhile, following voting in the House of Representatives, the twelfth amendment kicked in and a run-off ensued. The fourth place finisher, forever after known as the Judas of the West, threw his support to the northeasterner, who won the election. This is, FTP, which presidential election, which saw Andrew Jackson lose to John Quincy Adams, in what he labeled as the Corrupt Bargain.

ANSWER: Election of 1824 (accept the Corrupt bargain before it is mentioned in question)

5-6. It probably stood on top of a column in Cosimo d'Medici's garden, so that passers by in the city would be able to see it as a celebration of civic pride. An elaborate helmet at the bottom of the statue with visor and wings recalls depictions of Zephyr, an aggressive and destructive force, while the simple wreathed helmet at the top of the statue evokes peace and civility. Thus, the artist presents the victory of peace over destruction as an allegory for God's favor of the Florentines over the Dukes of Milan, who were warring against Florence in the mid 1420s, when the sculpture was created. The first free-standing bronze since antiquity was, FTP, what Donatello sculpture depicting a Biblical victory?

Answer: Donatello's David

5-7. This property describes quantum mechanical interactions at the atomic level which cause unpaired electron spins to line up parallel with each other in a region called the domain. Typically, an external magnetic field is the cause. Once the external field is turned off, the material tends to remain magnetized according to its hysteresis curve. Neither paramagnetism nor diamagnetism, this is FTP, what property, most exaggerated in the element iron.

ANSWER: Ferromagnetism

5-8. His master and employer is a rich, foolish, post World War One bachelor. He uses his near-omniscience to get him out of tricky situations, which are usually unsuitable engagements. As a member of the Junior Ganymede Club, he writes down all of his employer Bertie's wrongdoings. The quintessential gentleman's gentleman, Stephen Fry and Dennis Price have both played him on TV. This is, FTP, what memorable P.G. Wodehouse character, butler to Bertie Wooster, after whom a popular search engine is named?

ANSWER: Reginald Jeeves (accept Reginald as well)

5-9. First postulated in the manuscript Metrica, circa AD 100, this formula can also be used on tetrahedrons as well. Although it's not the law of cosines, you can use that to easily prove this formula true. Generalized by the Hindu mathematician Brahmagupta around 620 AD, the degenerate case does yield the Pythagorean theorem. It states that given a triangle with sides of length A, B, and C, and semiperimeter S equal to A plus B plus C all over two, the area of that triangle equals the square root of S times S minus A times S minus B times S minus C. This is, FTP, what formula named after its Greek discoverer?

ANSWER: Heron's formula (Accept Hero's formula)

5-10. In a simplified version of this dance the gentleman faces and bows to his partner, who curtsies at the same time. The woman places her left hand on her partner's right hand, and he leads with small steps of the right foot, then left, then right again. Both partners point their left toes and tap three times, and repeat this process 3 times. The partners bow or curtsy as before, turn in the opposite direction, and repeat the entire process. Performed slowly and usually in 4-4 time, there were originally more than 100

steps to this dance. FTP, name this dance that was popular on plantations and in courts, and that takes its name from an Old French word meaning dainty or small.

Answer: minuet

5-11. Born in New York, he served as a Captain in the Army during the Vietnam War, where he was awarded the Bronze Star. He entered politics in 1972 as the finance director for Tom Bradley's mayoral campaign. He then served as the Chief of Staff to Governor Jerry Brown Jr., before being elected state assemblyman, controller, and lieutenant governor. He won his 1998 election by defeating state Attorney General Dan Lungren. FTP, name this former California governor, recalled in 2004.

Answer: Joseph "Gray" Davis

5-12. First Stilson, and then Bonzo Madrid, the titular character has a penchant for accidental murder. Teased for being 'a third,' at the age of six, he is removed from his family for training by the IF. Ultimately, he would lead humanity to victory in the war against the Formics. First appearing as a short story in 'Analog' in 1977, it was turned into a novel in 1985 and won the Hugo award. Boasting 7 sequels and an upcoming movie, this is FTP, what most famous work of Orson Scott Card?

ANSWER: Ender's Game

5-13. Its end freed up funding for Columbus's first voyage. Occurring gradually over 700 years, it started in about 711 AD. Most of the fighting was done by the descendants of the Visigoths and the Romans, who were aided by the French around 1100 AD. It ended on January 2, 1492, with the fall of Grenada. Most of the displaced Muslims fled across the Mediterranean to Tunisia. This is FTP, what action that saw the expulsion of the moors from Spain?

ANSWER: Reconquista

5-14. Ironically, it was blacked out in the home city because of NFL rules at the time, which were changed the following year after congressional pressure. Jack Fleming called it solo because Myron Cope had already left for the postgame interview. To this day, free safety Jack Tatum disputes the call that let the play stand. The score had been 6-0 until a broken play let Kenny "The Snake" Stabler scramble 30 yards for an Oakland touchdown. With 22 seconds left to go, Terry Bradshaw passed to Frenchy Fuqua, who missed the pass. FTP, what is the name given to this play, which saw Franco Harris catch the deflected pass and run it in for a touchdown?

ANSWER: The Immaculate Reception

5-15. Hans Meyer and Ludwig Purtscheller first scaled it in 1889. It is composed of Shira, Kibo, Mawensi, three extinct volcanoes. The Marangu and Machame trails are used on it most frequently, because they do not require hiking experience. Surrounded by scrub-lands, forests and even an alpine tundra it rises 19,335 feet above Tanzania. FTP, identify this highest mountain in Africa.

ANSWER: Mount Kilimanjaro

5-16. His famous function is the sum of the reciprocals of all numbers raised to a complex number, or product, taken over all prime numbers, which had earlier been considered by Euler. He also studied the surfaces which are quotients of the complex plane by lattices, and these surfaces are named after him as a result, as are a mapping theorem and metrics arising from continuously varying positive definite forms. FTP, name this man who devised the most common procedure of defining an integral in calculus, namely by taking the limit of sums of small areas.

Answer: Georg Friedrich Bernhard **Riemann**

5-17. By day two, a riot had broken out, and fire extinguishers were used to put it down. Punishments included psychological harassment, push-ups, starvation, and removal of toilet privileges. Conducted under Philip Zimbardo, subjects were arrested by the Palo Alto police department, deloused, and forced to wear chains. One subject developed a psychosomatic rash over his entire body when he learned that his parole request had been turned down. Although planned to last two weeks, it had to be aborted after only six days because it was going out of control. This is FTP, what now-infamous captivity exercise?

ANSWER: **Stanford Prison Experiment** (Accept equivalents)

5-18. He was born and went to college in Toledo, Ohio. He later received a PhD in Economics from the University of Virginia before obtaining his law degree. He served as Administrator of the National Highway Traffic Safety Administration and as Deputy Undersecretary of Transportation during the Ford administration. He also served as Chairman of the Business Roundtable and helped pass NAFTA. CEO of CSX Corporation before joining President Bush's cabinet, FTP, name this man who replaced Paul O'Neil as Secretary of the Treasury in 2003.

Answer: John W. **Snow**

5-19. If light is shone into a beaker of one, it will form a fountain and shoot out of the top. Nobel prizes in physics were awarded in 1962 for its explanation, in 1978 for its discovery in helium-4, and for the 1996 discovery in helium-3. Occurring at the Lambda point, usually around 2 degrees Kelvin, this is, FTP, what property, in which a fluid exhibiting it will flow without friction.

ANSWER: **Superfluidity**

5-20. The name of his most famous geographic creation comes from the name of a banana plantation near aracataca. He introduced his most famous setting in his first novel *Leaf Storm*. Though he received recognition for works such as *In Evil Hour* and *Chronicle of a Death Foretold*, he is best known for a story about seven generations of Buendias, set in the town of Macondo. FTP, name this 1982 winner of the Nobel Prize in Literature, the author of *One Hundred Years of Solitude*.

ANSWER: Gabriel **Garcia Marquez**

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## BONUSES|

5-1. Terrorism in Italy, FTPE

10) Formed in 1969, this Leninist-Marxist group seeks to separate Italy from the rest of Western Europe

ANSWER: **Red Brigades (Brigate Rosse)**

10) In 1978, the Red Brigade kidnapped and killed this Italian Prime Minister, and left him in the trunk of a car.

ANSWER: Aldo **Moro**

10) One of the Red Brigades most recent attacks was in 1996, when someone threw grenades into the American airbase in this city.

ANSWER: **Aviano**

5-2. Given a description, name the amendment to the constitution, FTPE

10) This amendment prohibits the quartering of troops

ANSWER: **Third** Amendment

10) Originally proposed by James Madison, this Amendment deals with congressional pay raises

ANSWER: **Twenty Seventh** Amendment

10) It was passed as a response to the Supreme Court's Chisholm v. Georgia decision. It prohibits federal jurisdiction in suits against states

ANSWER: **Eleventh** Amendment

5-3. Its parts include *The Magic Skin*, *A Prince of Bohemia*, and *A Country Doctor*.

FTSNOP:

[10] Name this collection of over 100 novels and stories with shard characters that attempts to give a panoramic view of 19<sup>th</sup>-century existence. Its most famous portion is *Pere Goriot*.

ANSWER: La **Comedie Humaine** (The **Human Comedy**)

[5] Name the author of *La Comedie Humaine*.

ANSWER: Honore de **Balzac**

[15] Five for one, fifteen for both: *The Poor Relations* is the joint title often given to these two similar books, one about the poor musician Sylvain, the other about a rebellious Volges peasant.

ANSWER: **Cousin Pons**, **Cousine Bette**

5-4. FTPE, Given a constellation, name its brightest star according to apparent visual magnitude.

[10] Virgo

ANSWER: **Spica**

[10] Orion

ANSWER: **Rigel**

[10] Leo



ANSWER: **Regulus**

5-5. Identify these Shakespearean villainesses FTPE.

1. After she pushes her husband to murder, “all the perfume of araby could not sweeten” her stained hands.

Answer: **Lady Macbeth**

2. This queen of the Goths, captured by Titus Andronicus, exacts her revenge by having his sons killed and his daughter raped and mutilated. Don’t worry, she gets her just desserts.

Answer: **Tamora**

3. Two answers required: unlike their faithful sister Cordelia, these two daughters of King Lear are just bad seeds.

Answer: **Regan** and **Goneril**

5-6. Give the geometries for each of the following molecules, FTPE:

A. XeF<sub>2</sub>

Answer: **Linear**

B. XeO<sub>4</sub>

Answer: **Tetrahedral**

C. XeF<sub>4</sub>

Answer: **Square planar**

5-7. FTPE, name these writers from clues.

[10] Before dying of Hodgkin’s disease in 1909, he lived in the Aran Islands and wrote the plays “In the Shadow of the Glen” and “Riders to the Sea.”

ANSWER: (Edmund) John Millington **Synge**

[10] She wrote the libretti for *The Mother of Us All* and *Four Saints in Three Acts*. A friend of Picasso, she also coined the term “Lost Generation.”

ANSWER: Gertrude **Stein**

[10] Killed in action in World War I, he wrote the novel *The Unbearable Bassington* and short stories and sketches such as “The Square Egg” and “The Open Window.”

ANSWER: **Saki** (accept H(ector) H(ugh) **Munro**)

5-8. Name these terms dealing with bone, for 10 points each:

1.) Unlike osteoblasts, which contribute to bone formation, this cell functions in the breakdown of bone.

ANSWER: **Osteoclast**

2.) One function of osteoclasts is to release this cellular organelle, which contains enzymes that digest the contents of the bone matrix.

ANSWER: **Lysosomes**

3.) This type of enzyme released by the lysosomes of osteoclasts breaks up compounds such as esters and peptides through the addition of a water molecule. Catalase is an example.

ANSWER: **Hydrolytic** enzyme (or **hydrolase**)

5-9. Answer the following about the Nile, FTPE.

[10] It is formed by three principal tributaries, five points for two, and ten for all three, name them.

ANSWER: **White Nile**, **Blue Nile** and **Atbara**

[10] Within 250 miles, this the length of Nile in miles.

ANSWER: 4132 miles (accept 3882 to 4382)

[10] This river in Burundi is its most distant source.

ANSWER: Kagera River

5-10. Answer the following about an ailment.

[10] FTP, one of the most famous cases of this affliction is the case of H.M., who underwent an experimental surgery in an attempt to cure his epilepsy, reported by William Scoville and Brenda Milner.

ANSWER: amnesia

For five points each, and an additional 5 for all three, name the three types of amnesia.

ANSWER: anterograde amnesia, retrograde amnesia, and infantile amnesia

5-11. Given a Secretary of State, name the President they served under, FTPE.

[10] Henry Clay

ANSWER: John Quincy Adams (do not accept "J Adams" or "John Adams", prompt on Adams)

[10] Edmund Randolph

ANSWER: George Washington

[10] Frank B. Kellogg

ANSWER: Calvin Coolidge

5-12. Identify these women artists from works, FTPE.

A. *Susannah and the Elders, Self-Portrait as the Allegory of Painting, Judith Beheading Holofernes.*

A: Artemisia Gentileschi

B. *The Proposition, The Jolly Toper, The Flute Player*

A: Judith Leyster

C. *The Duchesse de Polignac, Several Portraits of Marie Antoinette*

A: Marie-Louise-Elisabeth Vigée-Lebrun

5-1.3 Given a description, name the writer from the American south, FFPE. If you need a second clue, you can still get five.

15) This writer lived almost her entire life in Mississippi. *A Curtain of Green*, published in 1941, was her first published novel

5) She won the Pulitzer Prize in 1973 for *The Optimist's Daughter*.

ANSWER: Eudora Welty

15) Her first novel was *Jonah's Gourd Vine*. Her last novel, *Barracoon*, was published more than 30 years after her death, in 1999.

5) She is most famous for writing *Their Eyes Were Watching God*.

ANSWER: Zora Neale Hurston

5-14. Name these things related to Shinto shrines FTPE:

[10] Probably their most recognizable feature, this gateway consists of a pair of columns crossed by two beams.

ANSWER: torii (do not accept torus)

[10] This central structure contains a sacred object such as a mirror.

ANSWER: **honden**

[10] The object in the honden is thought to house one of these, the sacred spirits central to Shinto belief.

ANSWER: **kami**

5-15. Name these Jewish philosophers FTPE:

[10] This physician in the court of Saladin, synthesized and advanced Sephardic thought with 13 principles of faith and his *Guide to the Perplexed*.

ANSWER: **Maimonides**

[10] Although he was most influential for his *Ethics* and idea of "pantheism", or that God is coequal with all things, he may sadly be best known in quizbowl circles for the overused clue about him making a living as a lens grinder.

ANSWER: Baruch **Spinoza**

[10] This Hasidic cultural Zionist analyzed relations between people and other entities in his most famous work as I-it (treating people as things); I-Eternal Thou (reverence to God), and I-Thou (treating people as equals)

ANSWER: Martin **Buber**

5-16. Name the artist from collaborations, 30-20-10-5:

[30] Philip Glass on "The Late Great Johnny Ace"

[20] Reverend Claude Jeter on "Take Me to the Mardi Gras", Maggie and Terri Roche on "Was a Sunny Day"

[10] Los Lobos on "The Myth of Fingerprints," Ladysmith Black Mambazo on "Homeless", The Everly Brothers on "Graceland".

[5]: Art Garfunkel. Need I say more?

ANSWER: Paul **Simon**

5-17. FTPE, name the composers from musical works.

[10] Variations on a Theme by Haydn and Academic Festival Overture.

Answer: Johannes **Brahms**

[10] Variations on a Theme of Frank Bridge and the operetta Paul Bunyan.

Answer: Benjamin **Britten**

[10] Fantasia on a Theme of Thomas Tallis and Sinfonia Antarctica

Answer: Ralph **Vaughn-Williams**

5-18. Identify these solid gold musical movies FTPE.

a. Curtis Mayfield wrote and composed the songs and score for this otherwise bland 1976 rags-to-riches story starring Irene Cara.

Answer: **Sparkle**

b. Reviews were even worse for this 1999 rags-to-riches story about young Billie Frank, played by Mariah Carey.

Answer: **Glitter**

c. Okay, now for a movie people actually liked. Pianist David Helfgott, played by Geoffrey Rush, achieves popular acclaim in this 1996 film.

Answer: **Shine**



5-19. Name these celebrities who were victims of extortion attempts, FTPE.

10) Autumn Jackson claimed this man was her father and attempted to extort \$40 million from him.

Answer: Bill **Cosby**

10) The Gambino crime family attempted to extort this actor of The Glimmer Man for \$150,000 per movie during a business relationship.

Answer: Steven **Seagal**

10) John Rutter attempted to extort \$3.3 million from this actress over pictures taken before she became famous.

Answer: Cameron **Diaz**

5-20. Answer these questions about the new Napster download service, FTPE.

10) This company, best known for CD burning software, bought the Napster brand name for \$5 million dollars.

Answer: **Roxio**

10) Roxio bought this music download business from Sony Music and Universal for \$40 million in May. They are using it as the engine for the new Napster 2.0 system.

Answer: **Pressplay**

10) Roxio worked out an agreement with this University to allow their students free use of the Napster 2.0 System.

Answer: **Penn State** University