



## MEG: A Novel of Deep Terror 2015 Rewritten and Expanded Version CURRICULUM & PROJECT IDEAS

Dear Teachers:

One of the goals of the ADOPT-AN-AUTHOR program is to assist teachers by providing a pool of easily accessible curriculum and project ideas. Materials will grow as more teachers e-mail me their ideas over the coming school year. I hope you participate.

MEG is the first in a series featuring *Carcharodon Megalodon*, the fearsome 60-foot, 70,000 pound prehistoric cousin of the great white shark. The **TRENCH** is part two in the series, followed by **PRIMAL WATERS**, and **HELLS AQUARIUM**, with the fifth book in the series, **NIGHTSTALKERS**, due out in mid-2016. If you have not read MEG, you will find it to be a fast-paced, page turner—something that will keep your readers on the edge of their seats. This curriculum is created for the newly rewritten, expanded version of MEG. It includes the MEG prequel (ORIGINS) which was previously only available as an Ebook. The page numbers in the answer keys for teachers is based on the page numbers of the paperback version of the book published in October, 2015.

The interactive website: [www.SteveAlten.com](http://www.SteveAlten.com) offers supplemental information for each book, as well as educational links, contests for readers, exciting tours, background information on how I was published, and free downloadable images. Everything is designed to enhance your student's reading experience.

One of the best and most unique aspects of the Adopt-An-Author program is having direct access to a New York Times Best-Selling author. I invite your students to email me. A link is provided on the website. I read each and every email, then send out a personalized reply to each letter. This is NOT an automated response. Second and third letters are handled differently.

All of my novels are part of the RENAISSANCE ACCELERATED READER and the SCHOLASTIC READING COUNTS programs.

As a former educator, it is my goal to provide teachers with a very unique program that combines thrilling novels with exciting curriculums and opportunities for students to converse with a best-selling author. I am personally financing this entire venture. This is my commitment to you. All I request is that (once you see the results) you simply spread the word about the program throughout your school and among your peers.

Please do not hesitate to contact me with any questions or input.

I think you will be impressed!

—Steve Alten

## MEG CURRICULUM MATERIALS

Because students also have access to this section, answers to questions will only be provided via e-mail (at your request) to the teacher's e-mail address registered in the Adopt-An-Author program.



### **The materials are divided as follows:**

1. Characters
2. Vocabulary
3. Chronological Events
4. True-False Questions
5. Multiple Choice Questions
6. Acronyms
7. Vessels
8. Megalodon Shark Anatomy
9. Science/Oceanography
10. Settings
11. Projects



## MEG CHARACTERS

### Major Characters:

Professor Jonas Taylor  
Dr. Frank Heller  
James “Mac” Mackreides  
Paul Agricola  
Maggie Taylor  
Bud Harris  
Terry Tanaka  
Masao Tanaka

### Minor Characters:

Captain George Nares  
Richard Danielson  
Richard Prestis  
Mike Shaffer  
Gustave Maren  
David Adashek  
D.J. Tanaka  
Alphonse DeMarco  
Captain Leon Barre  
John Paul  
Commander McGovern  
André Dupont  
Dr. Tsukamoto  
Dr. Simidu  
Dennis Heller  
Wade, Dylan & Austin Maller



## MEG VOCABULARY

The page numbers correspond with the revised edition, paperback version of this book, and the words listed appear on the pages shown below, though they may also appear in other places throughout the book.

p. 1	incessant	p. 74	obscured	p. 206	spewing	p. 275	tranquelize
p. 7	mentor	p. 78	submersible	p. 207	desolate	p. 283	elaborate
p. 7	trepidation	p. 81	beckoned	p. 207	theorized	p. 286	vindicated
p. 8	buoyant	p. 85	credibility	p. 210	albino	p. 294	fluke
p. 10	attributes	p. 88	evaluation	p. 211	hallucinated	p. 299	rendezvous
p. 11	acuity	p. 95	lethal	p. 214	periphery	p. 307	scapegoat
p. 12	subterranean	p. 100	scavengers	p. 215	mesmerized	p. 315	lacerations
p. 16	archipelago	p. 100	predatory	p. 217	adrenaline	p. 316	quivering
p. 18	renowned	p. 107	decimated	p. 218	gargantuan	p. 323	maelstrom
p. 23	excursions	p. 108	specimen	p. 219	torso	p. 324	gnashing
p. 25	erratic	p. 109	encrustations	p. 222	spasms	p. 326	ambient
p. 26	sophisticated	p. 110	conjecture	p. 224	hyperextended	p. 332	encumbering
p. 27	consensus	p. 111	smattering	p. 226	jettisoning	p. 338	frenzy
p. 29	temperate	p. 114	stint	p. 227	claustrophobia	p. 353	unique
p. 30	ferocity	p. 120	aberrations	p. 227	groped	p. 354	plethora
p. 33	monotonous	p. 126	feigned	p. 233	hypothermia	p. 363	contortions
p. 34	bulbous	p. 133	titanium	p. 233	bombarding	p. 377	cavernous
p. 38	unfurled	p. 138	cetacean	p. 235	furtively	p. 379	unfathomable
p. 40	habitat	p. 139	obstinate	p. 237	paralleling	p. 391	legacy
p. 42	symbiotic	p. 147	nauseating	p. 242	devastated	p. 418	sensory
p. 42	coalesced	p. 149	emphasizing	p. 244	abandon	p. 425	plummeting
p. 44	adaptation	p. 151	inhabitants	p. 250	environment	p. 428	evolution
p. 44	serrated	p. 154	integrity	p. 250	originating	p. 431	listing
p. 45	quarantined	p. 168	extinct	p. 250	tantalizing	p. 434	vigil
p. 46	expended	p. 170	contraption	p. 252	infrastructures	p. 443	dirigible
p. 47	undulating	p. 177	rampage	p. 253	perimeter	p. 456	simultaneously
p. 49	debris	p. 189	denticles	p. 254	seaworthy	p. 469	dormant
p. 51	succulent	p. 192	tapestry	p. 258	submerged	p. 480	esophagus
p. 54	maneuvered	p. 199	bioluminescent	p. 262	precariously	p. 481	regurgitated
p. 57	huddled	p. 199	bizarre	p. 270	genetic	p. 485	discernible
p. 59	partakes	p. 201	hyperventilating	p. 270	aggressive	p. 486	excretions
p. 66	agitated	p. 204	massive	p. 271	migration	p. 486	excretions
p. 69	equilibrium	p. 205	vertigo	p. 275	culmination	p. 493	silhouette
p. 70	influx						



## CHRONOLOGICAL EVENTS

The following items are in the order in which they occurred in the book. Please fill in the answer(s) to each item.

1. Captain George Nares was in command of the ship:  
\_\_\_\_\_
2. The *Challenger Deep* was the deepest section of:  
\_\_\_\_\_
3. Early exploration of the *Challenger Deep* was done in 1960. What kind of vehicles were used?  
\_\_\_\_\_
4. Who are the seafaring people who are indigenous to Guam?  
\_\_\_\_\_
5. The *Tallman* was performing a scientific expedition in the:  
\_\_\_\_\_
6. Jonas told Dr. Shaffer that the size of fossilized Megalodon teeth that had been found was:  
\_\_\_\_\_
7. The Megalodon's \_\_\_\_\_ teeth were used for gripping prey; the \_\_\_\_\_ teeth were designed to puncture bone, sinew and blubber.  
\_\_\_\_\_
8. By attacking the cuttlefish, the *Kronosaurus* had indirectly challenged:  
\_\_\_\_\_
9. The female Megalodon was being lured up into the cold waters by the pings from *Sea Bat-I* initiated by the crew of:  
\_\_\_\_\_
10. Jonas managed to survive the emergency ascent because he found:  
\_\_\_\_\_
11. Professor Jonas Taylor lectured at The Scripps Institute about:  
\_\_\_\_\_
12. Maggie Taylor earned the Golden Eagle for her work about:  
\_\_\_\_\_
13. UNIS drones had been deployed along a 125 mile stretch of the Mariana Trench to:  
\_\_\_\_\_
14. The small cockpit of the Beechcraft airplane bothered Jonas because he suffers from:  
\_\_\_\_\_
15. What reporter did Maggie Taylor hire to follow Jonas and leak information to make him look bad.  
\_\_\_\_\_
16. Masao explained to Jonas that the Lagoon was his dream because of his life-long love of:  
\_\_\_\_\_
17. After Jonas explained to Masao what happened during his dive seven years before, Masao suggested to Jonas that what he really might have seen was:  
\_\_\_\_\_

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18. The name of Masao's ship is the:

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19. Jonas was surprised to discover that the *Kiku's* mechanic was his old friend:

---

20. Jonas was dismayed to find out that Masao's physician onboard the *Kiku* was:

---

21. Jonas was humiliated when Frank Heller entered the galley and declared:

---

22. Shortly into the dive, Jonas panicked and his readings and vital signs went into the red zone because:

---

23. Jonas found the white triangular object he had seen in the video at Masao's lagoon. He was embarrassed to realize it was:

---

24. The male Meg was trapped by:

and killed by:

---

25. After D. J.'s catastrophe, Jonas made it to the top in:

---

26. Maggie rushed to Guam to:

---

27. Jonas told Terry the female shark could have come to the surface because:

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28. In Saipan, Jonas and Mac inspected the carcass of a humpback whale. What did Jonas find there and what happened next?

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29. Who agreed to underwrite the funding for the completion of Masao's lagoon and the hunt to capture the Megalodon?

---

30. Mac's role in capturing the Megalodon was:

---

31. Mac explained to Jonas the features of the Abyss Glider-I that made it different from the Abyss Glider-II that he used on his dive with D.J. Name three of these different features.

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32. The first U.S. Navy nuclear-powered submarine was the:

---

33. The surfer Rick Bohler thought he was underwater, but he was really:

---

---

34. Dylan Maller was surfing a big wave to reach shore as the Megalodon bore down on him, and he was saved by:

---

35. The Japanese vessel that put out a distress call had an illegal catch of eighteen:

---

36. Frank Heller stretched out his hand but could not save:

---

37. Maggie Taylor took her expedition to what area near the Farallon Islands?

---

38. The stench surrounding the *Magnate* came from:

---

39. The female Megalodon gave birth to \_\_\_\_\_ male pup(s), and \_\_\_\_\_ female pup(s).

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40. The male Megalodon pup died when:

---

41. Maggie Taylor's experience with the Megalodon ended with:

---

42. Bud Harris was saved from being eaten by the Megalodon when:

---

43. Andre Dupont of the Cousteau Society said they were seeking to have *Carcharodon megalodon* placed:

---

44. Jonas learned by watching a news report that David Adashek was a reporter for the same network as:

---

45. Another Megalodon pup died when:

---

46. The *Cap'n Jack's* propeller was bent by:

---

47. The large dosage of pentobarbital and ketamine was used to shut down the Meg's:

---

48. Terry used the retractable arm of the AG-1 mini-sub to:

---

49. Frank Heller and Dick Danielson were on Bud Harris's ship, the *Magnate*, in order to:

---

50. When Mac said, "Hope you're in the mood for a Mac Attack!," he was heading for:

---

51. During the chaos after the depth charge detonated, Masao Tanaka suffered:

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52. How did the Megalodon get free of the cargo net?

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---

54. Terry was launched into the water when the Megalodon came up under their lifeboat. How did Jonas save Terry?

---

55. With the AG-I's batteries depleted, Jonas used the hydrogen rocket to:

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56. Bud Harris shot Mac in the leg, then forced Mac to:

---

57. How did Jonas keep from slipping into the Megalodon's intestines?

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58. Jonas was rising to the surface in the escape pod. Why did it slow down?

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59. As Jonas was on the way to the recompression chamber, he saw the shark being towed in the trawl net. What did Jonas realize about the shark?

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## TRUE-FALSE QUESTIONS

- True  False 1. Captain Richard Danielson told Jonas Taylor he would be subject to a court martial if he didn't pilot the *Sea Cliff* on a fourth dive.
- True  False 2. The region of Micronesia is located in the North Atlantic Ocean.
- True  False 3. James "Mac" Mackreides was a helicopter pilot while stationed on Guam.
- True  False 4. Paul Agricola told the *Tallman* crew that he believed the large animal they had been tracking was a *Carcharodon megalodon*.
- True  False 5. Cuttlefish travel in schools so they appear to be one large creature to scare off potential enemies.
- True  False 6. The juvenile female Megalodon had been tracking a school of barracuda through the trench.
- True  False 7. When Jonas saw something really large on his sonar, he ordered the ROV to be shut down because he said the predator could detect its electrical discharges.
- True  False 8. Jonas was so exhausted from his previous three dives that he kept drifting into catnaps during his fourth dive.
- True  False 9. Paul Agricola told his crew to quickly head south because the Megalodon was coming to the surface.
- True  False 10. The scenario Jonas presented between the T. rex and Megalodon could have happened exactly as he described it.
- True  False 11. When sharks die, there is no skeleton because their skeleton is made of cartilage, not bone.
- True  False 12. Fossilized Megalodon teeth are pure white.
- True  False 13. Jonas had deep sea submersible training at Woods Hole Oceanographic Institute.
- True  False 14. Maggie won an Emmy award at the San Diego Media Awards.
- True  False 15. When Jonas left the awards, he took a taxi home.

- True  False 16. The UNIS drones were being deployed into the *Challenger Deep* to enhance long distance telephone cables.
- True  False 17. The Mariana Trench is the deepest known depression on earth at 35,827 feet below sea level.
- True  False 18. The Tanaka Lagoon was originally designed to hold giant squid and Megalodons.
- True  False 19. Masao needs Jonas to help determine what happened to the UNIS drones so JAMSTEC will reinstate their funding to complete his lagoon.
- True  False 20. Masao convinced Jonas to make the dive into the *Challenger Deep* both as a favor to Masao, and to help Jonas face his fears.
- True  False 21. LEXAN is a type of bullet-proof glass.
- True  False 22. Using its ampullae of Lorenzini, a Megalodon could detect the heartbeat of its prey from miles away.
- True  False 23. Frank Heller declared Jonas wasn't fit to make the dive with D.J., but Masao overrode Heller's decision.
- True  False 24. D.J. attempted to get away from the male Megalodon by hiding behind a black smoker.
- True  False 25. When the crew of the *Kiku* couldn't reach either D.J. or Jonas, they decided to tow D.J.'s sub to the surface since the cable from his sub was still attached to the surface ship.
- True  False 26. Jonas was shocked to see a larger female Megalodon chasing after the entangled male Megalodon.
- True  False 27. David Adashek told Maggie that Jonas was recovering in a hospital on the Hawaiian island, Oahu.
- True  False 28. Jonas woke up in the hospital after having a nightmare that he was confronting Maggie and Bud Harris.
- True  False 29. In Saipan , Jonas found a six-inch white Megalodon tooth in the carcass of a dead Humpback whale.
- True  False 30. At the briefing on Guam, Jonas told the group the second Megalodon he saw was over 100 feet long.
- True  False 31. Jonas said the Megalodon wouldn't surface during the day because the prey she preferred would only be around at night.

- True  False 32. While searching for the Megalodon by helicopter, Terry switched the tracker dart with a 20mm explosive shell.
- True  False 33. The Billabong Big Wave Contest took place in Malibu, California.
- True  False 34. Gangbanger Michael Barnes managed to surf to shore ahead of all the others.
- True  False 35. The Megalodon was attracted to the Japanese ship because it was carrying an illegal load of dead Gray whales.
- True  False 36. The *Nautilus* crew fired a torpedo at the Megalodon.
- True  False 37. Frank Heller was horrified when he couldn't save his brother, Dennis, from the Megalodon.
- True  False 38. Maggie and her crew left the *Kiku* because there were no sightings of the Megalodon in four weeks, and her network lost interest.
- True  False 39. The female Megalodon broke off her attack on the Blue whale calf because the bull of the herd chased her off.
- True  False 40. The Megalodon gave birth to six pups, but only three survived.
- True  False 41. Maggie went into the water with Great White sharks to test her specially-built shark tube.
- True  False 42. The Megalodon couldn't get a grip on the round Lexan shark tube Maggie had specially made.
- True  False 43. A news story reported that the Megalodon had been listed as a protected species.
- True  False 44. As Bud Harris left the hospital, Frank Heller and Richard Danielson came to pick him up.
- True  False 45. Jonas admitted to Mac that he was having nightmares that Terry was going to be eaten by the Megalodon.
- True  False 46. Jonas realized the Megalodon was now surfacing during the day because it was no longer afraid of the surface boats.
- True  False 47. Terry saw the Megalodon wasn't breathing, so she rammed the Abyss Glider into its jaw, forcing it to open so water could flow through and out of its gills.

- True  False 48. Once Terry had positioned the cargo net around the captured Megalodon, she noticed the shark had given birth.
- True  False 49. The depth charge accidentally fell off the *Magnate* as the yacht veered sharply after Mac's helicopter attack.
- True  False 50. Alphonse DeMarco used the harpoon gun to give the Megalodon a second dose of barbiturates when it managed to get free of the net.
- True  False 51. Danielson and Heller convinced Bud Harris to leave the *Magnate* with them in the Zodiac.
- True  False 52. Jonas managed to reconnect the battery wire restoring power to his Abyss Glider.
- True  False 53. As the *Kiku* started to sink, all the crew members got into two lifeboats.
- True  False 54. The *Magnate* was the vessel that rescued the surviving crew from the *Kiku*.
- True  False 55. Using a gun, Bud Harris forced Mac to repair the *Magnate's* engines.
- True  False 56. Mac was rescued by the trawler hired by the Cousteau Society.
- True  False 57. Jonas used the last few seconds of hydrogen boost trying to shoot himself back out of the Megalodon's mouth.
- True  False 58. Terry was able to save Jonas, but his rapid ascent caused him to have the bends (nitrogen bubbles in his bloodstream), so they were rushing him to a recompression chamber.



## MULTIPLE CHOICE QUESTIONS

Please circle the letter for the correct answer for each of the questions below.

- What kind of storm was “Marian” that was headed straight for the area where the *Maxine D* was anchored?
  - A tornado.
  - A category 2 typhoon.
  - A monsoon.
  - A category 3 hurricane.
- The scientists on the *Maxine D* were collecting something from the bottom of the *Challenger Deep*. What was it?
  - Exotic fish species.
  - Volcanic rock that contained gold.
  - Manganese nodules.
  - Eggs from giant squids.
- The *Tallman* was privately owned by Agricola Industries. What kind of ship was it?
  - Research vessel.
  - Submarine.
  - Cargo ship.
  - Oil tanker.
- What was the Megalodon’s most common food source when they dominated the oceans?
  - Dinosaurs that ventured into the water.
  - Whales.
  - Smaller sharks.
  - Crustacean called “krill.”
- What was the nickname of the ROV the scientists used to make their collections from the bottom of the trench.
  - Flying Squirrel
  - Bullwinkle
  - Little Sea Cliff
  - Baby Max
- As Dr. Shaffer deployed the ROV, he jokingly used a quotation from what movie?
  - Jaws.
  - Titanic.
  - Home Alone.
  - Caddyshack.
- Benedict Singer had a secret meeting with *Maxine D* crewman, Gustave Maren, when he paid him to get something for him from the ship. What was it?
  - The schematic for the ROV.
  - A manganese nodule.
  - A pregnant female squid.
  - Log notes from the scientists.
- What did Captain Danielson find in the wreck of the *Sea Cliff* that he secretly disposed of?
  - Manganese nodules.
  - A white Megalodon tooth.
  - A photo Jonas took of what he saw.
  - Proof one of the scientists caused the disaster.
- What did Jonas say the water pressure was at the bottom of the Mariana Trench?
  - A million lbs. per square inch.
  - 25,000 lbs. per square inch.
  - 16,000 lbs. per square inch.
  - 6,000 lbs. per square inch.

10. Bud Harris had been Jonas's roommate where?  
 A. Woods Hole Oceanographic Institute.    B. Scripps Institute.  
 C. Boston University.    D. Penn State University.
11. How did Jonas get home from the Media awards?  
 A. He hailed a taxicab.    B. He took Bud's limo.  
 C. Terry Tanaka drove him.    D. He took the bus.
12. Who came to visit Maggie in her hotel room the morning after the awards ceremony?  
 A. Bud Harris.    B. Terry Tanaka.  
 C. David Adashek.    D. Jonas Taylor.
13. What did Chief Engineer Al DeMarco say he thought caused the damage to the UNIS drones which had been deployed in the *Challenger Deep*.  
 A. A strong underwater current.    B. Not placed properly when deployed.  
 C. A manufacturing defect.    D. Seismic activity.
14. Jonas decided to return to the Mariana Trench because:  
 A. He wanted to prove to Terry he's strong.    B. He wanted to kill a Megalodon.  
 C. He wanted to collect a white tooth he saw on video to prove Megs still exist.    D. He wanted to help Masao capture a live Megalodon.
15. As Jonas was about to land on the *Kiku*, he saw a man doing a water sport next to the ship. What was the water sport?  
 A. Kite boarding.    B. Water skiing.  
 C. Surfing.    D. Parasailing.
16. When D.J. insisted on knowing more about Megalodons, Jonas told him:  
 A. They existed for 400 million years.    B. It was the apex predator of all time.  
 C. It could track prey from miles away.    D. All of the above.
17. Mac gave Jonas a neoprene bio-suit to wear during the dive. What did Mac say it would do?  
 A. Keep him warmer.    B. Provide extra oxygen if needed.  
 C. Monitor Jonas's vital signs.    D. Allow him to contact Mac directly without anyone else hearing him.
18. While Jonas was using his sub's mechanical arm to clear debris around the damaged UNIS drone, what was D.J. doing?  
 A. Looking for other UNIS drones.    B. Fending off schools of cuttlefish.  
 C. Just waiting for Jonas to be finished.    D. Untangling the cable from his sub's mechanical arm.
19. Jonas told D.J. that the large biologic he saw on sonar was homing in on them. What did Jonas say was attracting it?  
 A. The lights from their subs.    B. The motion of nearby fish.  
 C. Vibrations from their subs.    D. It could smell the discharge from the sub.



28. Jonas's plan to capture the Megalodon was to:
- A. Lure it into the Tanaka lagoon with a dead whale.
  - B. Attract it by using sonar pings.
  - C. Capture it on a big hook.
  - D. Drug it, then haul it into the Tanaka lagoon with a buoyant net.
29. When Jonas and Mac spotted the Megalodon from the helicopter, she was stalking:
- A. A school of squid.
  - B. A pod of dolphins.
  - C. A Humpback whale calf.
  - D. A nearby fishing trawler.
30. When the Megalodon launched itself at Mac's helicopter, what did Terry do?
- A. She shot a 20mm shell at it but missed.
  - B. She threw Maggie's camera out the window.
  - C. She hit it with a tracking dart.
  - D. She dropped the rifle trying to save Jonas.
31. Whose idea was it to use the *Nautilus* submarine to hunt down the Megalodon.
- A. Frank Heller.
  - B. Alphonse DeMarco.
  - C. Richard Danielson.
  - D. Gustave Maren.
32. The Japanese ship in the Oahu coastal waters put out a distress call because it was being attacked by the Megalodon. What attracted the Meg to the ship?
- A. The *Nautilus* accidentally chased the Meg toward the Japanese ship.
  - B. The Meg detected dead whales which were illegally lashed to the outside of the ship.
  - C. The ship was blowing its horn which attracted the Megalodon.
  - D. The ship was already sinking before the Megalodon showed up.
33. The Megalodon attacked the *Nautilus* because:
- A. It was enraged by the sonar pings.
  - B. It was hungry.
  - C. It knew Jonas was onboard.
  - D. It thought the submarine was another shark.
34. What happened to Frank Heller's younger brother, Dennis Heller, who was a crewman on the *Nautilus*.
- A. He sank with the *Nautilus*.
  - B. He was killed by an explosion on the *Nautilus*.
  - C. He was killed by the Megalodon just as he reached the *Kiku*.
  - D. He was picked up by another ship coming to the aid of the Japanese whaler.
35. Maggie and her crew left the *Kiku* because:
- A. She had a fight with Terry and Masao asked them to leave.
  - B. With no sighting of the Meg in four weeks her station terminated the project.
  - C. Jonas kicked them off.
  - D. Her station gave them information that the Megalodon had been sighted in Australia.

36. Maggie convinced her station manager to send her and a crew to The Red Triangle area near the Farallon Islands off the coast of northern California. How did she convince him?
- She wanted to vacation in that area for a few days with Bud Harris.
  - She had found Jonas's research that the area was a prehistoric Megalodon nursery, and figured that's where the female would go.
  - She was monitoring Jonas's activities and thought he was headed in that direction.
  - David Adashek reported to her that the Meg had been sighted there.
37. After three days near the Farallon Islands, what was causing the tremendous odor hanging around the *Magnate* being used by Maggie and her crew?
- They were towing a dead whale as bait.
  - No one had showered in days.
  - There were dead seals from the islands
  - The yacht's waste system was backed up, floating by the yacht.
38. Why did Bud Harris contact Jonas on Mac's helicopter?
- He wanted to apologize to Jonas.
  - He needed Jonas's help to rescue Maggie.
  - He wanted to warn them about the Megalodon.
  - He was telling Jonas to stay away from his yacht.
39. What stopped the Megalodon from attacking Bud Harris after it killed Maggie?
- Mac directed a bright light into its eye.
  - Abby dropped the camera onto its nose.
  - Jonas lured it away with the Zodiac.
  - Bud managed to get back onto the yacht.
40. Jonas packed a good luck charm as he prepared to return to Monterey. What was it?
- His wedding ring.
  - A fossilized Megalodon tooth.
  - A medal he received while in the navy.
  - A rabbit's foot.
41. Jonas told Mac a story about Butch O'Hare. Who was he?
- A World War II fighter pilot.
  - The namesake of Chicago's mail airport.
  - The son of mobster, Easy Eddie.
  - All of the above.
42. Frank Heller and Richard Danielson were on the *Magnate* preparing what?
- An explosive to kill the Megalodon.
  - A submarine so they could view the Meg.
  - A cable to take the Meg from the *Kiku*
  - Something to jam the Tanaka Lagoon gates.
43. Who came onto the *Magnate* after the underwater explosion?
- Jonas Taylor
  - James Mackreides.
  - Masao Tanaka.
  - Alphonse DeMarco.
44. After Masao suffered a head injury in a fall on the *Kiku*, how did he get off the ship?
- A Coast Guard boat came to get him.
  - Mac borrowed a speedboat to take him.
  - David Adashek convinced his news helicopter to land on the *Kiku*.
  - An EVAC helicopter landed on the *Kiku*.

45. The Boston Whaler that Jani Harper was piloting collided with a cabin cruiser, and the two vessels became stuck together. How did they become separated?
- The Coast Guard attached a cable to the top ship and pulled it off.
  - The impact of the Megalodon crashing into them pushed them apart.
  - Heller and Danielson reached them in the Zodiac and helped them.
  - The passengers from both boats worked together to separate them.
46. After Jonas lured the Megalodon away from Terry and the other survivors of the overturned life raft, who rescued them?
- The boat hired by Andre Dupont of the Cousteau Society.
  - Mac and Bud Harris with the *Magnate*.
  - The *Cap'n Jack* whale watching boat.
  - Heller and Danielson with the Zodiac.
47. With the battery of the Abyss Glider completely drained, Jonas saw the Megalodon headed right for him, gigantic mouth open wide. What did Jonas do?
- He hit the escape pod release and shot right to the surface.
  - He ignited the hydrogen fuel and headed right into the Meg's mouth.
  - He used the hydrogen burn to get to the sunken *Kiku* where he hid.
  - He turned off lights and all noise hoping the Meg wouldn't know he was there.
48. After Bud Harris shot Mac in the thigh, what did he force Mac to do?
- Jump off the *Magnate* into the water.
  - Repair the *Magnate's* engines.
  - Take him to shore in the Zodiac.
  - Fix the yacht's pumps to keep it from sinking.
49. As Jonas headed to the surface after the Megalodon expelled the Abyss Glider, what distressing thing did he notice.
- The Meg was chasing him.
  - There was a huge fireball about to overtake him.
  - The Meg's teeth caused deep grooves in the Lexan which were leaking water.
  - Dozens of great white sharks were circling The Abyss Glider.
50. When Jonas exited the escape pod, how did he get to the surface?
- Terry swam down hauled him to the surface just as he was about to sink
  - Once his weight was out of the escape pod it was buoyant enough to float him up.
  - A trawler lowered a cable to him.
  - He swam to the top.



## ACRONYMS

Following are some acronyms that appeared in the book. Please circle the letter for the correct designation of each acronym.

1. DSV
  - A. Debris Sensitive Viewer
  - B. Deep Submergence Vehicle
  - C. Demolition Submersible Vessel
  - D. Damage Sensing Vacuum
  
2. P.A.G.A.S.A.
  - A. Pacific Gasoline Safety Association
  - B. Pan-Asian Geographic Abyssal Sensor Alliance
  - C. Philippine Atmospheric Geophysical and Astronomical Services Administration
  - D. Pan-American Global Aquatic Safety Assembly
  
3. MBES
  - A. Multi-Beam Echo Sounder
  - B. Metal Booster Emitting Scope
  - C. Micro-Biologic Energy System
  - D. Marine Bathyscape Educational Simulator
  
4. ROV
  - A. Robotic Ocean Vessel
  - B. Radio Onboard Voltage
  - C. Retractable Obstacle Viewer
  - D. Remotely-Operated Vehicle
  
5. UNIS
  - A. Underwater Navigation Identifying Scale
  - B. Unmanned Nautical Informational System
  - C. Ultra-Nanobot In-depth Seismograph
  - D. Uncharted National Inactive Seaport
  
1. JAMSTEC
  - A. Japan and Micronesia Seismic Tension Experiment Certification
  - B. Jointly Authorized Mariana Sea Trench Earthquake Calculation
  - C. Japanese Atomic Munitions Special Tracking Elimination Control
  - D. Japan Marine Science & Technology Center



## VESSELS

Following are the names of water vessels that played a part in this book. Please match each description to the correct vessel.

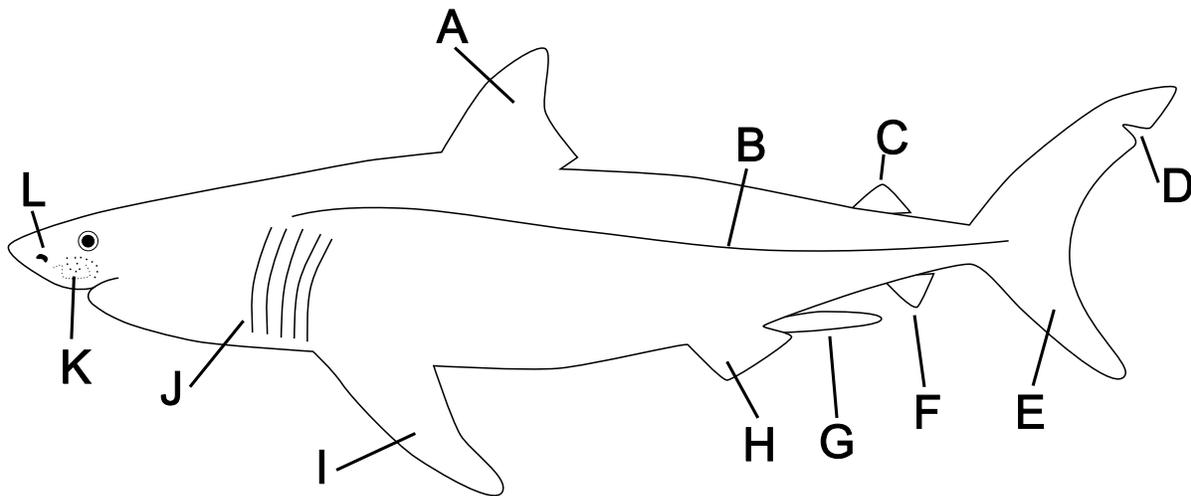
- |                          |   |
|--------------------------|---|
| <hr/><br>HMS Challenger  | A. The submersible Jonas was using with the two scientists in the <i>Challenger Deep</i> when he initiated an emergency ascent. |
| <hr/><br>Maxine D        | B. The luxury yacht owned by Bud Harris.  |
| <hr/><br>Sea Cliff       | C. The sight-seeing / whale watching boat from Monterey wharf.  |
| <hr/><br>Magnate         | D. The scientific vessel from 1873 whose captain was George Nares.  |
| <hr/><br>Tallman         | E. The research vessel owned by Masao Tanaka.   |
| <hr/><br>Kiku            | F. The navy support ship for Jonas's first dive into the Mariana Trench.  |
| <hr/><br>Abyss Glider-II | G. The submersible Jonas and Terry used to monitor the female Megalodon after it was captured.                                  |
| <hr/><br>Abyss Glider-I  | H. The research vessel owned by Agricola Industries.  |
| <hr/><br>USS Nautilus    | I. The submersible D.J. and Jonas used on their mission to retrieve the damaged UNIS drone.                                     |
| <hr/><br>Cap'n Jack      | J. The first United States Navy nuclear submarine.  |



## MEG: A NOVEL OF DEEP TERROR MEGALODON SHARK ANATOMY

Please identify the parts of the Megalodon by inserting the correct letter in front of its corresponding description:

- |  |   |  |
|--|---|--|
| <p>_____ Ampullae of Lorenzini</p> <p>_____ Anal Fin</p> <p>_____ Caudal Fin</p> <p>_____ Caudal Notch</p> | <p>_____ Clasper (males only)</p> <p>_____ Dorsal Fin</p> <p>_____ Gill Slits</p> <p>_____ Lateral Line</p> | <p>_____ Nostrils</p> <p>_____ Pectoral Fin</p> <p>_____ Pelvic Fin</p> <p>_____ Second Dorsal Fin</p> |
|--|---|--|



## MEG SCIENCE/OCEANOGRAPHY



### Matching:

- |                              |  |
|------------------------------|--|
| _____ Gigantothermy          | A. Great White Shark.  |
| _____ Hydrothermal Vent      | B. Riftia pachyptila – an 8'-10' invertebrate.   |
| _____ Carcharodon Carcharias | C. Black Smoker.   |
| _____ Cuttlefish             | D. This species of fish has a lighted rod fin that dangles over its mouth enticing prey.                     |
| _____ Anglerfish             | E. This is what makes up a shark's skin.   |
| _____ Hydrothermal Plume     | F. Pinniped is the suborder of this carnivorous mammal.  |
| _____ Coelacanth             | G. This is the generation of heat in a shark's blood using its swimming muscles.                             |
| _____ Tube Worms             | H. This is a prehistoric shark.  |
| _____ Carcharodon Megalodon  | I. This animal requires three hearts to pump blood through its body.   |
| _____ Challenger Deep        | J. An expanse of ocean near the Farallon Islands.  |
| _____ Red Triangle           | K. A lobe-finned fish once believed to be extinct.   |
| _____ Dermal Denticles       | L. The bottom/lowest point of the Mariana Trench.  |
| _____ Northern Elephant Seal | M. A sixty-foot-thick "ceiling" that insulates the frigid waters from the warm bottom of the Mariana Trench. |
| _____ Hydrothermal Vent      | N. Another name for a Killer Whale.  |

## MEG SETTINGS

1. Philippine Sea
2. Island of Guam
3. Hadal Zone
4. Mariana Trench
5. San Diego / La Jolla, CA
6. Tanaka Oceanographic Institute
7. The Challenger Deep
8. Saipan
9. Pearl Harbor, Oahu, Hawaii
10. North Shore, Maui, Hawaii
11. Turtle Bay, Bahia Tortugas, Baja California, Mexico
12. Monterey Submarine Canyon
13. Farallon Islands
14. Monterey Bay Sanctuary



## MEG PROJECTS



1. Create a detailed sketch of a scene in the book.
2. Write a biography for one of the main characters.
3. Write two journal entries from a character's point of view.
4. Give a two minute speech about the novel in front of the class.
5. Create a collage based on the novel.
6. Make a papier mâché a replica of:
  - a) A Megalodon
  - b) A Megalodon tooth
  - c) A mini-sub
7. Contact the author via email and interview him.
8. Create a book cover design or movie poster.
9. Do a book report on:
  - a) Megalodon sharks
  - b) Deep-sea submersibles
  - c) The Mariana Trench
  - d) Hydrothermal vents
10. Website assignments:
  - a) Download a free image
  - b) Write to the author
11. Internet assignments:
  - a) Find and download an illustration of several of the fish, mammals or other animals which were described throughout the book. Some of those mentioned were: Carcharodon Megalodon, Kronosaurus, cuttlefish, giant squid, hatchet fish, anglerfish, Gray whale, Blue whale, elephant seal, hadrosaurus, Tyrannosaurus rex, coelacanth, Great White Shark, viperfish, gulper eels, and dragonfish.