The Water Castle begins with the tragic news that Mr. Appledore-Smith has suffered a stroke on what side of the brain? The left side (p.2)

What are the specific abilities affected by such a stroke?
The ability to speak and walk (p.2) (p. 118)

Why are the Appledore-Smith family travelling to Maine?
To see Dr. Winters, a specialist doctor. (p. 2)

What did the Appledore-Smith family inherit?
A house in Maine. (p. 2)

Name the 3 siblings in the Appledore-Smith family.
Ephraim, Brynn and Price. (p. 2)

What direction do the Appledore-Smith family drive?
North (p.2)

What colors are the trees?
Red, orange, and yellow (p.2)

What did Price prefer to hold?
A tennis ball (p.2)

Where did Price keep the tennis ball?
In his pocket (p.2)

What does Brynn look like?
Slight, severe bob (p.3)

What does Brynn do when reading?
Chew her lip (p.3)

How old is Brynn?
9 (p.3)

What sound did Ephraim’s pants make when he raked his fingers on them? What material were his pants?
Shrift, shrift (p.3) Corduroy (p.3)Dr. Appledore-Smith’s Grandfather would tell her stories about his great-uncle being an inventor. What was the great-uncle’s name?
Dr. Orlando Prium Appledore. (p. 3/ p. 20)

What is the statue outside Crystal Springs Library?
A Stone Lion (p.4)

What items are on sale at Wylie’s Five and Dime?
Gourds, Ouija boards, and pumpkin pie filling (p.4)
What color is the gazebo in the park and what is it decorated with?
White and pumpkins (p.4)

What sport were older boys playing in the park?
Soccer (p.4)

What was the father doing with his toddler by the lake?
Flying a kite (p.4)

What part of the Water Castle burned down in 1909 and what other business used to be at the house?
The Grand Hotel/ The water bottling business (p.5)

How many steps led up to the front door of the Water Castle and what material?
3. Stone (p.5)

What effect did the water at Crystal Springs have?
It healed any illness (p.5) and slows your aging (p.147)

What kind of doctor was Dr. Appledore-Smith?
A cardiac surgeon (p.6)

What was above each door?
A taxidermy head of an animal (p.7)

When the Appledore-Smith’s arrive at the Water Castle they each choose a room for a bedroom. What room does Brynn choose?
The library (p.8)

What type of bed was in the room Ephraim choose?
A brass bed (p.8)

What did Ephraim’s window overlook?
The lake (p.8)

What items did the siblings find in the attic?
Rusty springy-horse, collection of empty picture frames, and an antique-style sword (p.9)

What type of soldier did Ephraim think of Price being like?
Spartan (p.9)

Where is Crystal Springs on the map according to Brynn?
Nowhere (p.10)

How old was Brynn when she stopped calling her parents Mommy & Daddy?
Seventh birthday (p.11)

What was the talisman Price gave Brynn?
A handmade doll with yarn hair (p.11)
Mr. Appledore-Smith is a painter. What does he make for work? 
Greetings cards (p.11)

What noise does Ephraim notice after putting his suitcase in his room? 
Humming (p.12)

What is the last name of the caretakers of the Water Castle (present day)?
The Greens (p.13)

What are the names of the father and daughter of the Green family? 
Henry and Mallory (p.13)

What type of movie was Mallory watching? 
Black and white Zombie (p.13)

Why does Mallory like Zombie movies? 
Because they are slow, there are straightforward was to kill them (p.15)

What was the name of the person who had the Water Castle built? 
Angus Appledore (p. 16)

Angus Appledore came to Crystal Springs looking for the Fountain of Youth. Name 3 other places where he looked. 
Ethiopia, Bimini, and Florida (p. 17)

Why was Angus Appledore looking for the Fountain of Youth? 
Because he wanted the woman he loved to live forever (p. 17) and because he wanted time to explore the world (p.60)

Who in Mallory’s family raised Angus Appledore’s children in the Water Castle? 
Her great-great-great-grandmother (p.18)

Mallory Green keeps a journal and sketchbook. What is the phrase she writes on nearly every page? “Still bored brainless” (p.19)

Who was looking for the North Pole? 
Robert Peary (p.20)

Who was accompanying him? 
Matthew Hansen (p.24)

The Darling family had always worked for the Appledore family. Name 5 of the jobs they often did. 
Cooks, nannies, builders, laundry help, chambermaid, work in the spa, carriage driver, stable help, caring for animals, working on the land. (p. 21/ p. 27)
Why did Orlando Appledore want Nora Darling to be his assistant? What skills did she have? He wants help to complete his life’s work and she is the brightest child in the town. She is first in her class in computations and studies French and Latin. (p. 21)

What was in the box of most prized possessions that Nora Darling took with her to the Water Castle when she left home? Tortoiseshell hair clip, a newspaper clipping about Henson and Peary’s 1905-6 attempt at the North Pole, and a handmade doll. (p. 23) (A further question could be added asking what was in the box when Ephraim, Brynn and Price found it in the wall– see later p.125/126)

What is Dr. Orlando Appledore’s mission? To discover the Fountain of Youth that his great-great-uncle couldn’t find. (p.24)

What age do the Appledore’s usually reach? Over 100 years old. (p.25)

People came from all over the country, and Europe, to visit the Hotel at Crystal Springs. What was it called and why did they come? Crystal Springs Resort and Recuperation Center. They came to restore their life spirits by drinking or bathing in the healing waters. (p.25)

What relation was young Harry Appledore to Dr. Orlando? Harry was Orlando’s great-grandnephew. (p.26)

Harry and Nora would like to have swapped lives. What did they each want to do? Nora wanted to study at school and Harry wanted to spend his days outside working with animals and the land (p.27) Harry also wanted to study maps and draw diagrams of automated machines and Nora wanted to travel the world. (p.168)

What is the advice Price gives his siblings when you need to keep calm? Breathe in and out really slowly, through your mouth. (p. 29)

Where did the Appledore-Smith’s live before coming to Maine? Cambridge, Boston, Massachusetts (p. 29)

What did they have for dinner? Spaghetti (p.30)

What ways do the Appledore-Smith siblings think of to make life easier for their Mum? Doing the dishes and making dinner, keeping organized and make shopping lists, biking into town to get what’s needed. (p. 30)

What was by the window in the Library and what was wrong with it? A large telescope. Glass on the far end is cracked (p.31)

What is in the yard? 2 large oaks, both with swings (p.33)
After hearing the humming in the house what did Ephraim see?
A blue glow around the house and then a flash of light. (p.34)

What did Ephraim see in the alcove?
A bust of Orlando Appledore (p.34)

What was the description beneath the name on the bronze bust of Orlando Appledore?
Keeper of the Flame (p. 34)

What was the temperature of the first day of school for the Appledore-Smiths?
40 degrees (p.36)

What did Price wear?
Wool long underwear and wind pants with a light jacket that is purple (p.36)

What does the name “Mallory” mean?
Il-lomened (p.39)

Why is Mallory Green’s father the caretaker at The Water Castle?
The Darling’s signed a contract agreeing to always take care of the mansion and Henry Green married a Darling. (p. 40)

Why is the Water Castle so overgrown?
The will said nothing could be physically changed at the house. The caretakers can only mend broken things. (p. 40)

What does Mallory say the hum & the flash were from?
The Watchtower (p.41)

What was in the tower of the school?
A bell (p.42)

What classes does Ephraim have assigned to him?
English, earth science, math, Latin, World history, PE, and drawing and painting (p.44)

What room number is Ephraim’s earth science class in?
19 (p.45)

What is his teacher’s name?
Ms. Little (p.45)

What new thing would Ms. Little like?
Particle accelerator (p.46)

Name 4 of Ephraim’s classmates other than Will or Mallory.
Katy, Toby, Chelsea, Becky, Brendan, Dave, Josh, Ian (p.46)

Ephraim’s class in school is writing reports on explorers. Who does Ephraim research?
Admiral Robert Peary (p. 49)
Who are Will and Mallory researching?
Will: Frederick Cook (p.50) Mallory: Matthew Henson (p.50)

What is the librarian’s name?
Ms. Topplesworth (p.50)

What is Ms. Topplesworth’s tattoo of?
A hummingbird (p.50)

How tall is Ms. Topplesworth?
Almost 6 feet (p.50)

The school motto is “Inveniam Viam Aut Facium”. What is the translation?
“I shall find a way, or make one.” (p.51)

What book were they discussing in Ephraim’s English class?
Tuck everlasting (p.54)

What color are Price’s eyes?
Green (p.55)

What is Mallory’s sandwich?
Roast beef, Swiss cheese, and mustard on rye (p.54)

What did Dr. Orlando Appledore use to communicate to Nora when she was in the kitchen?
Tubes connected to the library (p.58)

Describe Dr. Orlando Appledore’s desk and it’s contents.
Large oak desk, typewriter and papers, small ceramic elephant (p.58)

How did Nora see the 8 planets?
Dr. Appledore’s telescope (p.58)

Who showed her the planets through the telescope?
Nikola Tesla (p.58)

What book does Dr. Orlando Appledore read at least once a day?
Angus Appledore’s journal about the search for the Fountain of Youth. (p.59)

Who was Angus Appledore in love with?
Persephone Winsor (p.59)

What chapter was the class on in Ephraim’s earth science class in Crystal Springs?
Chapter 10 (p.63)

What chapter was Ephraim’s class on in Cambridge?
Chapter 6 (p.63)
What is the design on Will’s binder called?
A fractal (p.65)

What is the surprise Ms. Little has for the class?
A Geiger counter (p.65)

How does a Geiger counter work according to Ms. Little?
Tube fills with inert gas. Presence of radioactivity produces a reading; arms on side of counter flash and go up. Higher up, more radio activity (p.65-66)

What items did Ms. Little read?
Microwave, potted plant, piece of coral, window shade, the floor (p.66)

What did Ephraim write to help him understand the Geiger counter?
“arms up=radiation=bad” (p.66)

Ephraim’s first day in Crystal Spring’s school doesn’t go so well. What happens with the Geiger counter in Earth Science class?
The Geiger counter reads radiation levels of the students and Ephraim gets the highest reading (p.68)

What objects does Henry Green have a special interest in identifying?
Planes (p. 71)

Will Wylie has his own science lab. Where is it?
The room above the garage. (p 75)

Why does Will Wylie want to win the World’s Science Fair?
The Grand Prize is a full ride to college and Will wants to go to MIT (p. 77)

Mallory’s dad identified a plane flying overhead. What did he call it and what model was it?
Turboprop. ATR-42 (p.71)

What snack does Will have?
Glass of milk and a bag of fritos (p.74)

How does Will categorize his books?
Fiction, non-fiction
Follow-up: how was fiction divided and what genre were they?
Classics, modern, and fringe. Sci-fi. (p.75)

Will’s dad talks about a radiation study. When did it happen and who conducted it?
12 years ago. UMaine scientists. (p.77)
Follow up: What were their findings?
No ill effects. Quirks of nature. No explanation (p.78)

What is the full names of company and resort?
Dr. Appledore’s Crystal Water and the Crystal Spring Resort and recuperation Center (p.79)
What was Harry’s solution for fixing/repairing the wheel? Cover the wheels same as the Peary sledges (p.80)

What are the names of the three families connected together through generations at Crystal Springs? Appledores, Darlings and Wylies (p. 82)

What business do the Wylies run? What did they start out as? The Wylie Five and Dime. Fur Traders (p.82)

What lie did Harry tell Winnie for not staying to have tea? He had to get biscuits for his mother at the bakery (p.83)

What was Nora doing at the bakery? Reading the newspaper and eating a sweet roll (p.84)

Dr. Orlando has a strict diet he calls “biologic living”. From whom did he learn it? Dr. Kellogg in Battle Creek, Michigan (p. 84)

For extra points name 3 ( or 4 ) things that cannot be taken on this diet: NO- alcohol, tea, coffee, meat, chocolate, tobacco, cheese, eggs, refined sugar (p. 84)

Ephraim had what type of awning on his window and how did the sound of rain on it make him feel? Tin awning. Like he was trapped inside a metal garbage can while stones were pelted at it (p.87)

While exploring the house the Appledore-Smith siblings find a room that they think is like an attic that stores a wardrobe, a penny farthing bicycle and a steamer trunk with stickers on it from around the world. When Ephraim opens the trunk what 5 things does he find amongst the mementoes? Etching of the Eiffel tower, an African mask, a white teapot decorated with blue drawings, a stack of postcards tied together with a green ribbon, a framed photograph with Amelia Earhart. (p. 91)

What type of hats are found in the hat box? Who wears which style? Brynn: lady’s hat with bright blue & green peacock feathers (p.91) Price: black bowler (p.91) Ephraim: leather, fur-lined cap(p.92) Follow up: what did Ephraim’s hat smell like? Mothballs (p.92)

Price, Brynn & Ephraim find 2 boxes when they are exploring the house. Where do they find them? One is tucked in a corner of the wardrobe. (p. 94) The other was found behind a wooden panel of the wall on the third floor near the alcove with the statue of Dr. Orlando Appledore. (p.125)

What did Ephraim find in the wooden box in the wardrobe? A gold pocket watch inscribed with the words ‘For my love Harry, now, forever, and always.’ (p. 94)

What is the name of the house the Appledore-Smith’s visited in California? The Winchester Mystery House (p.95)

What color was the egg Ephraim picked up? What happened to the egg?
What team does Brynn join?
The robotics team (p.97)

What kind of car did Dr. Winters drive? What color & description?
Mercedes. Gold with rust (p.98)
Extra point: what hangs from the rearview mirror?
Pine tree deodorizer (p.98)

What did Price do to get on the school swim team?
He set a new record for 50m freestyle (p.102)

Where did Ephraim think they were going to visit to see the Van de Graff Generator?
Museum of Science in Boston (p.104)

Where is the Van de Graff generator located at the school?
Next to the planetarium (p.105)

Who built the Van de Graff generator?
Will (p.105)

What are the parts of the Van de Graff generator? (multiple points)
2 large poles, each with a ball on top that are pressed together.
In between pole with smaller ball.
Control board at the base.
Everything surrounded by a metal cage. (p.106-7)

What is a Van de Graff generator?
An electrostatic generator able to produce high voltages of electricity. It is used to study how electricity works. (p. 106)

How does Ephraim get hurt in the Van de Graff generator?
He gets electrocuted when he puts his hand outside the cage and knocks himself out when he hits his head on the metal floor. (p.109)

What letter is upside down on the Wylie’s mailbox?
Y (p.110)

What interests do Nora Darling and Harry Appledore have in common?
Arctic exploration and the expedition by Peary and Henson to the North Pole. (p.111/112)

What is pemmican?
A pressed cake made from a paste of pounded meat mixed with melted fat. Originally made by North American Indians and adapted by Arctic explorers. (p.112)

When did the Darlings arrive in the United States?
1760 (p.113)
Follow up: What did the family work on and where did they land before coming to Crystal Springs?
Who said “Great science does not happen without great risks”?
Dr. Orlando Appledore (p.114)

Where was Dr. Appledore’s laboratory and who designed the electric lamps?
In a tunnel under the house. Nikola Tesla. (p.115)

How did Brynn and Price help their father improve after his stroke? And how did Ephraim hope to help him?
Brynn read to him and Price exercised his father’s limbs. (p. 118) Ephraim hoped to find the healing waters of Crystal Spring (p.144) or the Fountain of Youth (p.157)

What did Ephraim remember his dad doing before the stroke?
Telling stories of creatures (2-headed squirrel bonus), corny jokes, and singing opera off-key (p.120)

Where does Ephraim eat lunch?
Outside (p.121)

What dislodged the panel where the kids found Nora’s box?
Price’s tennis ball (p.124)

What was in Nora Darling’s box of prized possessions when the Appledore siblings found it in the wall?
A hairclip, a small amber glass bottle, a photograph, a handful of sand, a map of the arctic and an account of the Peary expedition. (p.125)

What is the name of the certified radioactive water that Ephraim finds?
Radithor. (p.126)
Follow up: what does Radithor contain?
Radium and mesothorium in triple distilled water (p.126)

Brynn finds an old guest book showing visitors to the Water Castle. Which 3 scientists have signed the book?
Nikola Tesla, Michael Faraday, James Clerk Maxwell (p.128)

What was the date on the book that Ephraim picked up?
7 April 1939 (p.130)

What other name was Crystal Springs known by?
Au Clair (p.131)

How old was Ian when he dressed up as Peary for Halloween?
Seven (p.132)

Frederick Cook supposedly lied about finding the North Pole. According to skeptics, what route did he follow?
A route taken in a Jules Verne novel (p.134)
What was Nora doing to help Nikola for his polyphase motor?
Wrapping wire around blocks. (p. 137)
Follow up: what does the polyphase motor do?
Moves electricity over long distances (p. 139)

What does Nora Darling think might be discovered in the Arctic?
Creatures. Complete dinosaurs with muscle and skin frozen in ice. (p. 138)

In, ‘The Water Castle’, who says, “It’s not so much about the right or wrong path, Ms. Darling. It’s about what you see along the way.”?
Nikola Tesla (p. 140)

What does Dr. Appledore tell Nora about sides in science?
“There are no sides, only truth” (p. 141)

Where did Ephraim and Mallory go for a private chat when they were at school? How did Ephraim describe it?
A Space Capsule at the front of the school (p. 143) Like a glass flask used in chemistry class: cone-like bottom that narrowed up to cylindrical spout (p. 143)

Mallory explains that the myth is that Crystal Springs is a magical place. How are the people different? They live longer and they are smarter, stronger, faster (p. 146)

After his wife died, Angus Appledore forbade anyone to talk about the Fountain of Youth. True or false? True (p. 148)

Where did the water come from that was sold by Harold Appledore and how did he get it to the bottling house at the Water Castle?
Crystal Lake. Along the tunnels under the house, probably on the pulley ropes. (p. 153)

What kind of statues are in the sculpture garden at the Water Castle?
Stone statues of mythical animals. (p. 161)

Will, Mallory and Ephraim played a game of freeze tag amongst the stone mythical beasts. What creatures did Will and Mallory imitate? And what creatures did they create?
A unicorn and a griffin. (p. 161) A Will-de-bird and a Malbatross (p. 163)

What super powers did Will and Mallory imagine they might have as imaginary beasts?
The Will-de-bird has the gift of extreme intelligence – he absorbs information through the air as he flies. The Malbatross can tell truth from fiction. (p. 163) This question could combine with the previous one.

At the center of the stone mythical animals there was a fountain. What was the statue standing on top of the fountain?
An avenging angel holding out a sword. (p. 164)

Will, Mallory and Ephraim decide to work together on their explorers report for school to present each person’s story together, not as a race or a fight. What are the names of the three explorers?
Robert Peary, Frederick Cook, Matthew Henson (p. 164)
What book does Nora’s mom send with Little John for her? 
Frankenstein (p.167)

What does Harry say about his Latin teacher at boarding school? 
Evil incarnate (p.168)

What is a theodolite? 
A surveying instrument for measuring horizontal and vertical angles and distances. (p.170) 
Describe the parts of the theodolite 
Wooden with a thick center with a thinner cross-piece and a small, round bit of metal with hash marks on it, connecting them (p.169)

What treat does Dr. Appledore take Nora and Harry into town to get? 
Licorice (p.172) 
Follow up: who does Nora give her licorice to after her interaction with Winnie Wylie? 
Her brother Solomon (p.176)

What make and model car does Mallory’s mom drive? 
Volkswagen Rabbit (p.177)

What does Mallory’s Mother wear around her neck? 
A little copper key on a silver chain. (p.178)

What artists were the albums Mallory’s mom packed up? 
Billie Holiday, Etta James, Chuck Berry (p.179)

Where did Mallory and her parents talk about visiting? 
Italy, Greece, Malta, England, New Zealand, Alaska (p.180)

What item was Mallory’s mom taking with her that Mallory almost came out of her hiding spot for? 
A ceramic moose (p.181)

What did Mallory find in the copy of Frankenstein she discovered in her parents’ bedroom? 
Dense prose about discovering the North Pole (p.191)

What was the book that Mallory found in her parents’ room behind a photograph? 
Mallory’s discovery was a log book with all the work the Darlings had done on the house (p.192/p.208)

Who was Dr. Frederick Cook? 
The physician who had been on expeditions with Peary attempting to reach the North Pole and who then claimed to reach the North Pole before Peary & Henson. (p.193/p.260)

Dr. Orlando had Nikola Tesla build a machine to do what? 
Send electromagnetic waves through the water (p.195)

What did Orlando Appledore X-Ray for Nora Darling? 
Her hand (p. 195)
What is a Needham?
A chocolate made with potatoes and coconut. (p. 200)
Extra point: what is the name of the baker?
Mr. Small (p.201)

How do the students intend to present their explorers project together?
They will make a map showing the 3 different routes and timelines and add excerpts from journals, logbooks and newspapers. (p.203)

What should they use for ice according to Will?
Glitter (p.204)

Who is at the counter at Wylie’s Five and Dime? What does she call Will? What Holiday does she invite Will and his father to?
Will’s cousin Marie (p.204) Willy (p.204) Thanksgiving (p.204)

Who was Ootah?
One of the Inuit on the expedition who wasn’t celebrated. (p. 205)
Bonus: what explorer was Ootah with?
Hensen (p.205)

Where was it believed that the fire began that burned down the Hotel in 1909?
With faulty electrical work in the hot baths (p.211) A fireman said there was a tipped lantern in the packaging plant (p.304)

What is the headline of the article under the clipping about the fire the Ephraim finds?
P ear y DISCO Vers NortH POLE ON 8 th TRY” (p.211)

Brynn found house plans of the Water Castle in the library. What is indicated by the boxes with straight lines extending away from the house?
Tunnels (p.212) secret passages (p.128)

What did will pick up in Bryn’s bedroom by the window?
White ceramic elephant (p.213)

When Mallory, Ephraim and Will explore the tunnels how do they prevent themselves getting lost?
They place markers as guideposts – using a pencil to point the direction they came from (p.214)

What does the Appledore-Smith SUV smell like according to Mallory?
Cinnamon (p.218)

The door at the end of the tunnel has a tiny key hole. Who has the key and where is it?
Mallory’s Mother wears the key around her neck (p.218/p.230)

Where is Mallory’s Mother living?
Two towns further on from Crystal Springs in an apartment above a garage (p.220)
What does Mallory notice is missing from her Mother’s apartment?
Books (p. 223)

What does Mallory make to give to the Appledore-Smith siblings?
Bead friendship bracelets (p.226/ p.287)
Bonus: colors of Ephraim’s bracelet: blue and green (p.229)

Who does Nora Darling have a fight with?
Winnie Wylie (p. 233)

Who said, “One life is enough for me; that is the natural order of things”
Harry Appledore (p. 235)

In the old laboratory Mallory finds a model of a head with lines dotted all over it. What is it used for?
Phrenology – a way of determining people’s personality from the bumps on their head (p.238/ p.287)

The bottles in the old laboratory had labels describing what the contents cured. Name 1 of the ailments.
Obesity, constipation, jaundice. (p.240)

What happens to make Ephraim think he must hurry and explore the tunnels at night to find the water to cure his Dad?
Dr. Winters recommends a different specialist in New York and Dr. Appledore-Smith announces that they might move again. (p. 245)

What did Ephraim find and bring down from the secret staircase behind the bookcase?
A crate containing 3 bottles with labels saying ‘The Fountain of Youth – The cure for all that ales ye’ (p. 252)

What experiment does Ephraim do to test the liquid in the bottle labeled ‘The Fountain of Youth’?
He drinks it himself (p. 255)

Who thought the Fountain of Youth was in Ethiopia?
Herodotus (p.260)

Who said “Sometimes we seek and seek for so long that we convince ourselves we have found something that is not there to be found.”?
Dr. Orlando Appledore (p.261)

“Eureka!” is a famous exclamation said when you have discovered something. Who first said it?
Archimedes (p.261)

After testing all the water above the land what plan did Dr. Orlando Appledore come up with next?
To test for an underground spring he created a map covered with interlocking circles and numbers and then they started testing the soil. (p.262/ p. 275)

When Ephraim uses the homophone hole and whole what is he referring to?
He wants his father to be whole again but it’s like he has a hole in his brain (p.266)
Mallory loves to draw but she uses the books in her parents’ house. What book did Mallory draw in that helped her discover the secrets of the Fountain of Youth water and what was in the book?
“Properties of Electromagnetism”. It contained chemical equations, instructions and information about ‘or’. (p.269/ p.281)

What is the main instruction for making the healing water for long life?
“You have to burn the water.” (p.275)

What does Dr. Appledore mean when he says, “The house makes it stronger. The house burns the water.”?
The house is a metal cage and gathers electricity. An electricity charge builds up and glows blue. (p.277 /p.294)

Nemo can teneo. What promise did Nora Darling make to Dr. Orlando Appledore?
Her family will keep the secret of the Fountain of Youth for generations so that no one can profit from it. ‘No one can know’ (p.277)

Mallory worked hard to understand the chemical symbols in the equations she found. Name 3 of the elements she recognized. What was the name of the element she couldn’t find in the periodic table?
Uranium, radium, magnesium, chlorine, calcium. O-R (p.281)

Where did Mallory find herself once she had climbed the secret staircase? What did she see that was kept there?
On top of the Water Castle. A metal barrel for water (p. 284)

Will found a head of some sort the first time they visited the lab. What is the head used for?
Pherenology (p.287)

What happened to Will in the accident when Ephraim and Will fell down the broken staircase?
A piece of wood speared his thigh and he lost a lot of blood. (p.298)

How many times had Peary attempted to reach the North Pole?
8 (p.303)

Harry Appledore was extremely unhappy to see his future go up in flames when the Hotel burned down. True or false?
False (p.305) It felt like a liberation.

What does Will’s father believe happened to his son on the staircase?
That Ephraim and his siblings pushed Will down the stairs deliberately (p.310)

What did Will enjoy eating in the hospital?
Jell-O and ice cream (p. 313)

What were the color of the curtains in Will’s hospital room?
Mustard yellow (p.313)
Why was the new element named O-R?
Orlando named it after himself. (p. 320)

While Ephraim takes some time alone in the bottling house after returning from the hospital what does he find?
A nearly empty bottle of the healing water with a note attached. (p.335)
Follow up: what does the note say?
“For Harry, in case you change your mind.” (p.335)

What does Ephraim think he would do to help his father if they moved to New York?
He would take him to Art Museums and roll him in a wheelchair up to his favorite pictures (p.336)