



Aerospace Quest Answer Key

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Advanced

1. The Montgolfier brothers balloon in 1783 in France.
2. Alexander Graham Bell
3. Otto Lilienthal of Germany
4. The steam operated Langley Aerodrome #5 built in 1896
5. Lift, thrust and control.
6. An aviation pioneer who was the first to fly on Long Island
7. The Golden Flyer
8. a) Calbraith Perry Rodgers was the first pilot to fly from NY to California
b) It was flown from the East Coast to the West Coast
c) 15
9. The Bleriot XI (it was also the first aircraft to fly across the English Channel)
a) 45 miles per hour
10. Harriet Quimby 1875-1912
11. Mineola
12. Mineola, Hempstead Plains, Nassau Boulevard
13. Curtiss JN- 4 Jenny
14. It was a ground trainer used to help the pilot learn how to operate a plane on the ground
15. It was named in honor of J.P. Mitchel, the youngest mayor of NY. He died in a flight- training accident during World War I.
16. Roosevelt Field
17. Less drag on the plane during flight
18. It is amphibious, which means that it can operate on land or water.
19. 100,000
20. The Grumman TBM-3E Avenger.
21. To avenge the Japanese attack on Pearl Harbor.
22. To save space.
23. The Republic P47 Thunderbolt.
24. Cats- i.e. Hellcat, Tomcat, Kitten, Cougar.
25. Thunder- i.e. Thunderchief, Thunderbolt, Thunderjet
26. To have better control at low speeds and to be more streamlined to attain high speeds.
27. F-105 Thunderchief.
28. Pan American.
29. Two million per year
30. About 250

31. The Saturn V. It stood 365 feet tall and weighed 2850 tons.
32. The Lunar Module.
33. About 8 miles away in Bethpage, LI by Grumman Corporation.
34. 9,000
35. 238,300 miles.
36. Neil Armstrong
37. Eugene Cernan
38. a) 180 pounds
b) Because the moon has 1/6 the gravity
39. Six- Apollo XI, XII, XIV, XV, XVI, and XVII
40. Aluminized mylar called Kapton
41. The Command Module
42. 12 so far

Intermediate

1. Hot air
2. Alexander Graham Bell
3. Orville Wright
4. An aviation pioneer who was the first to fly on Long Island
5. The Vin Fiz
6. Harriet Quimby
7. (any of the following 6) Brighton Beach, Sheepshead Bay, Belmont Park, Mineola, Hempstead Plains, Nassau Boulevard
8. It was a ground trainer used to help the pilot learn how to operate a plane on the ground
9. It was named in honor of J.P. Mitchel, the youngest mayor of NY. He died in a flight-training accident during World War I.
10. Roosevelt Field
11. It can land on both land and water and the shape of the plane
12. 100,000
13. To save space
14. Cheek Baby
15. Cats- i.e. Hellcat, Tomcat, Kitten, Cougar
16. A helicopter
17. Two million per year
18. Enroute Canters, TRACON, and the Tower
19. Robert Goddard
20. (any of the following 7) Walter Schirra, Donald Slayton, John Glenn, Malcolm Scott Carpenter, Alan Shepard, Virgil 'Gus' Grissom, Leroy Gordon Cooper
21. 180 pounds
22. Either in their seats while in orbit or in a hammock on the moon. Today they sleep in sleeping bags.