



# Apollo 13

## Video Question

### Packet "B"

1. The opening scene of the video showed which Apollo crew in which an accident occurred. All 3 Astronauts were killed. Which Apollo mission was that?
  - a. Apollo 1
  - b. Apollo 11
  - c. Apollo13
  - d. Apollo18
  
2. Which Apollo mission was Neil Armstrong on when he landed on the moon?
  - a. Apollo 1
  - b. Apollo 11
  - c. Apollo13
  - d. Apollo18
  
3. Jim Lovell (Tom Hanks) was talking to his son Jeffery, when Jeffery asked his dad, Jim Lovell (Tom Hanks), if you knew the astronauts that died in the accident and what happened. Jim Lovell (Tom Hanks) replied yes he did. His son asked him if they fixed the problem. What was the problem?
  - a. The rocket burned up upon re-entry
  - b. The rocket exploded during lift off
  - c. The rocket's escape hatch could not be opened when needed
  - d. The rocket's windows could not open
  
4. Two days before the launch Jim Lovell (Tom Hanks) was told that one of his team MAY become sick while they are walking on the moon. Jim Lovell (Tom Hanks) was given two choices:
  - a. Either scrub Mattingly (Gary Sinise) and go with Swagger (Kevin Bacon) or...
  - b. We can bump all 3 of you to a later missionEither way it was Jim Lovell's (Tom Hanks) decision as the flight commander. Which did he select?
  - a. Either scrub Mattingly (Gary Sinise) and go with Swagger (Kevin Bacon) or...
  - b. We can bump all 3 of you to a later mission
  
5. Two days before launch Ken Mattingly (Gary Sinise) was exposed to what disease?
  - a. Chicken poxes
  - b. Common cold
  - c. Flu
  - d. Measles
  
6. The night before the mission the astronauts can see their family but they CAN NOT cross the road. Why can the not cross the road?
  - a. Because NASA is afraid that they will not come back
  - b. Because NASA is afraid that they will take their family with them
  - c. Because NASA is afraid that they will get germs and get sick in outer space

7. What was the first problem Apollo mission had right after liftoff?
  - a. Main engine center cutoff engine #5
  - b. Main door was locked and could not get open
  - c. Main wire circuit caught fire
  - d. Main oxygen tank exploded
  
8. After the astronauts got to space, Fred Haise (Bill Paxton) got space sickness and ended up doing what?
  - a. Went space crazy
  - b. Throwing up (vomiting) in space
  - c. Eating food
  - d. Taking aspirin for his sickness
  
9. Jack Swagger's (Kevin Bacon) first job in space as the command model pilot was to do what?
  - a. Dock the lunar Lander
  - b. Take over the ship
  - c. Stir the oxygen tanks
  
10. Live broad cast from the command rocket was NOT aired on Television. All the networks dumped them because it was not exciting. In fact they said it was about as exciting as taking a trip to which city?
  - a. Chicago
  - b. Florida
  - c. Pittsburgh
  - d. Houston
  
11. What did Houston ask Jack Swagger (Kevin Bacon) to do right before the explosion?
  - a. Dock the lunar Lander
  - b. Take over the ship
  - c. Stir the oxygen tanks
  
12. What did Jim Lovell (Tom Hanks) say to NASA after the accident?
  - a. Houston we got troubles
  - b. Houston we have an explosion
  - c. Houston we have a major malfunction
  - d. Houston we have a problem
  
13. Flight director Gene Kranz (Ed Harris) during Econ if this was an instrumentation failure or real power loss? Econ replied "Its reading \_\_\_\_\_ that can't happen."
  - a. Quadruple failure
  - b. instrumentation failure
  - c. Triple power failure
  - d. Oxygen tank explosion

14. Jim Lovell reported to NASA that “we are venting something out into space. What were they venting
- Water
  - Rocket Fuel
  - Hydrogen
  - Oxygen
15. Jim Lovell asked Fred Haise (Bill Paxton) “how long does it take to power up the L.E.M.?” Fred replied \_\_\_\_\_ by the check list
- 15 minutes
  - 1 hour
  - 3 hours
  - 6 hours
16. How long does the crew of the Apollo mission have to transfer guidance computer to the L.E.M. before it runs out of power?
- 15 minutes
  - 30 minutes
  - 1 hour
  - 3 hours
17. Jim Lovell was trying to fly the ship after the accident. He said “it’s like flying with a dead \_\_\_\_\_ on our back”. What animal did he say?
- Rhinoceros
  - Camel
  - Elephant
  - Mouse
18. Flight director Gene Kranz (Ed Harris) during the first briefing...asked how to get the crew back home. This sparked a heated debate. Which choice did they take?
- Free return trajectory around the moon
  - Turn around and fire the engine for a direct return
  - Let them drift off into space and forget about them
19. During the flight director’s briefing, the boss came in and told them that President Nixon wanted odds on their survival from a flight director. Gene Kranz (Ed Harris) told them to tell the president what?
- We are not losing those men
  - They are already lost
  - 3:1 odds
  - 5:1 odds
20. Lost in acquisition means what?
- Command module (Odyssey) is going around the moon loses signal
  - Command module (Odyssey) will lose power to talk to NASA
  - Command module (Odyssey) water supply is frozen and cannot be used

21. During the debriefing... John (who is a member of the ground crew) told Flight director Gene Kranz (Ed Harris) "...that power is everything! The command module (Odyssey) with everything on draws 60 amps. At that rate in 16 hours the batteries are dead and so is the crew. We have to get it down to \_\_\_\_\_ amps".
- 6 amps
  - 12 amps
  - 30 amps
  - 60 amps
22. Flight director Gene Kranz (Ed Harris) during the briefing...told the ground crew ...well then we are going to have to figure it out. I want you to find every engineer who help designed everything that is up there. Then talk to every guy in the assembly line who built everything. I don't care what it was designed to do, I care about what it CAN do. We NEVER lost an American in space and WE are not about to on my watch. Remember people \_\_\_\_\_
- "Failure is not an option"
  - "Houston we got a problem"
  - "I believe this is going to be our finest hour"
23. Who did NASA get to help with the simulator?
- Fred Haise (Bill Paxton)
  - Gene Kranz (Ed Harris)
  - Jack Swager (Kevin Bacon)
  - Jim Lovell (Tom Hanks)
  - Ken Mattingly (Gary Sinise)
24. Jim Lovell made a reference to the crew about the Law of Inertia. When Jim Lovell (Tom Hanks) shuts down the computer what did he say to the crew?
- "We just put Albert Einstein in the driver's seat"
  - "We just put NASA control in the driver's seat"
  - "We just put Sir Isaac Newton in the driver's seat"
25. Next problem that occurred was the amount of CO<sub>2</sub> (carbon dioxide) in the lunar module. Clint Burton told Gene Kranz (Ed Harris), we have a situation brewing with the carbon dioxide. The Doctor said "They're already up to eight on the gauges. Anything over fifteen and you get impaired judgment, blackouts, the beginnings of brain asphyxia." What did they need to do to solve this problem.
- Find a way to take the Command module square cartages; the limb module has round cartages.
  - Since the Command module has no cartages; the limb module takes round cartages. They had to place the limb cartages into the command module
  - Since the Command module takes round cartages; the limb module has no filter. They had to place the command cartages into the limb module

26. Jack Swager (Kevin Bacon) was going over the number and figured that they were given too much Delta V and they made us burn for too long. When asked how he came up with that... he replied "I can add." What problem can this cause the crew?
- They will burn up on reentry
  - They will fly pass earth completely
  - They will skip right off the atmosphere
27. The crew started to argue with each other due to lack of sleep. Who did Fred Haise (Bill Paxton) ask "what was the gauge before you stirred the tanks?"
- Gene Kranz (Ed Harris)
  - Jack Swager (Kevin Bacon)
  - Jim Lovell (Tom Hanks)
  - Ken Mattingly (Gary Sinise)
28. What did the crew do when the Doctor told them they had to sleep more because one of the Astronauts was running a fever of 104°?
- The crew all went to sleep
  - The crew turned off the radio to NASA so they would not hear them again
  - The crew tore off their bio reading monitor
29. The Command module was coming in to shallow, which means they would skip right off the atmosphere if they do not make an adjustment. To solve this problem what did the crew have to do?
- Fly the ship manually
  - Fly the ship using the computer
  - Fly the ship to the moon
30. After the burst helium disk occurred, Jim Lovell (Tom Hanks) asked Houston for the reentry procedure. He told Houston that they cannot do this at the last minute, and asked again to send ANY steps they have. At which point, Deke Slayton (Chris Ellis) told them they are going to get that procedure up to you as soon as they possibly can. What was Jack Swager (Kevin Bacon) reply to that?
- "They don't know how to send it to us"
  - "They don't know how to do it"
  - "They don't know how to turn the lights on"
31. Who did Marilyn Lovell (Jim's wife) get to help out with Jim's mom (Blanche Lovell)?
- Neil Armstrong and Buzz Light-year
  - Neil Walker and Buzz Adrian
  - Lance Armstrong and Buzz Light-year
  - Neil Armstrong and Buzz Aldren

- 32. Ken Mattingly (Gary Sinise) helped solve the power up problem and was talking to Jack Swager (Kevin Bacon) on how to start the command module up again. At one point Jack Swager was afraid to hit the button because he felt like he caused the problem. What was the concern of Jack Swager?**
- Due to lack of sleep
  - Due to a lot of condensation on the panels
  - Due to cold atmosphere inside the command module
  - Due to allot of precipitation from reentry
- 33. Henry Hurt was talking to a presidential aid and said “Let’s put it this way, their trajectory maybe off, their thrusters maybe frozen, their guidance systems might be malfunctioning, their heat shields might be cracked, their parachutes might be 3 blocks of ice.  
The aid asked ”when will we know?”  
Henry Hurt said “blackout last for \_\_\_\_ minutes. If we don’t hear from them after that... you will know...”  
How long is black out?**
- 2 minutes
  - 3 minutes
  - 4 minutes
  - 15 minutes
- 34. Henry Hurt said “We've got the parachute situation, the heat shield, angle of the trajectory and the typhoon. There's just so many variables, I'm at a loss”. The NASA Director replied “I know what the problems are, Henry. This could be the worst disaster NASA’s ever experienced.” At which point Gene Kranz told them...what?**
- “With all due respect, sir, I believe your right”
  - “With all due respect, sir, I believe this is gonna be our finest hour”
  - “With all due respect, sir, I believe we have a problem”
- 35. This mission was called the “successful disaster” and what was determined 2 years before this was the main cause of the disaster on the Odyssey**
- Defect in the wiring near the oxygen
  - Defect in the O-ring near the fuel tank
  - Defect in the heat shield
  - Defect in the oxygen tank when you stirred it